

**MERIDIAN** sooloos

## Sooloos Collections: Advanced Guide

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## Introduction

This guide is intended for the serious Sooloos user and for anyone involved in preparing a complex or challenging collection.

Although the automated systems of metadata collection are state-of-the-art, nevertheless to get the maximum benefit, especially for enthusiasts, students, teachers, or for multi-user or institutional installations a degree of grooming, harmonising or structuring will always be needed.

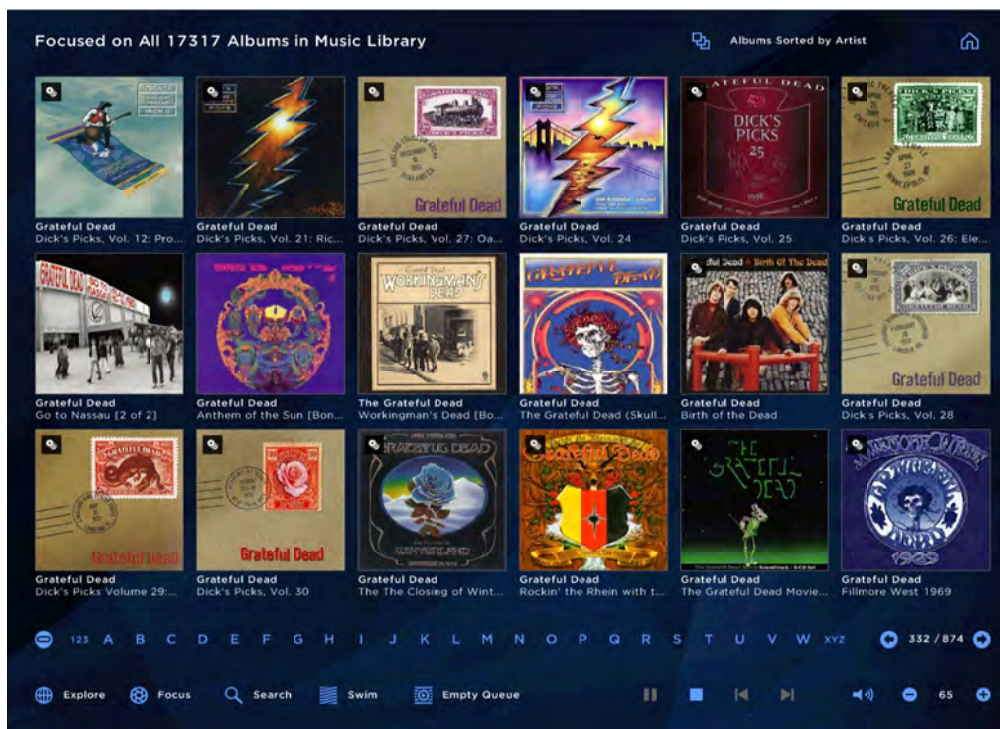
To those people we suggest that an hour spent reading this guide can inform the approach you will take to suit your needs.

Because many of the most demanding collections we support are of classical music and because that genre is one of the most difficult to navigate, the examples in this guide tend to be in that genre.

However Sooloos is also excellent when applied to advanced Jazz, World and New Age collections; the concepts, tools and techniques apply equally.

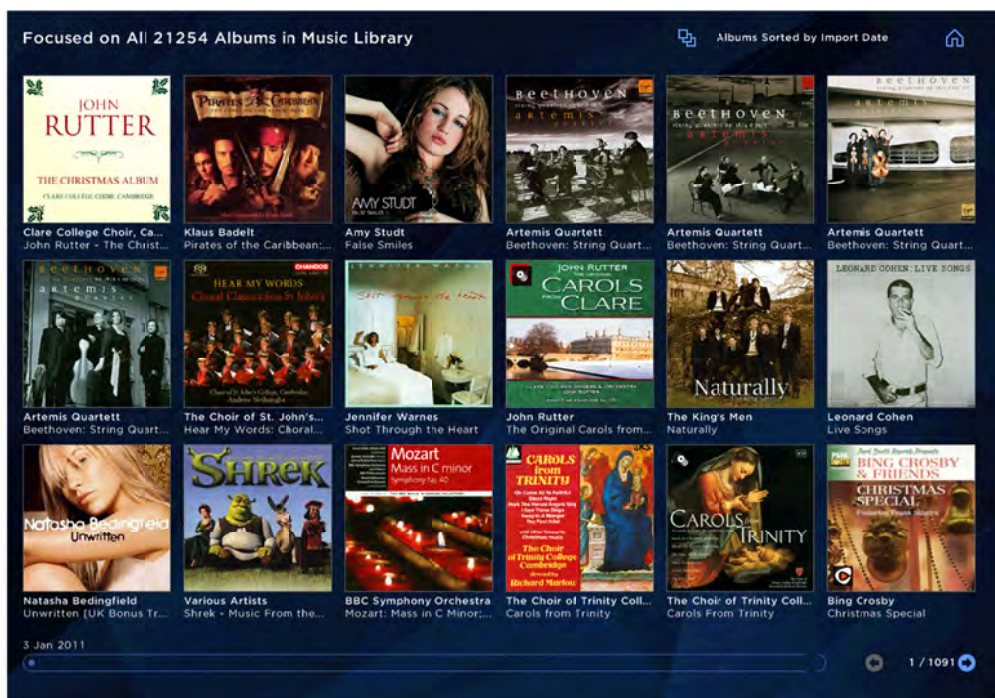
In this guide we also try to illustrate the strengths and weaknesses of the various control clients and particularly point out things to keep in mind if the goal is to navigate the collection on one of the mobile controls.

## Organising and Using a Sooloos Collection



The Meridian Sooloos music management and server system is highly regarded for its intuitive and welcoming user interface.

Unlike other music servers, a Sooloos system does not slow down as more content is added and, in fact, the larger the collection the better it will be because we can form more links between the content.



On the other hand, no collection is too small and the system works beautifully with just a handful of discs.

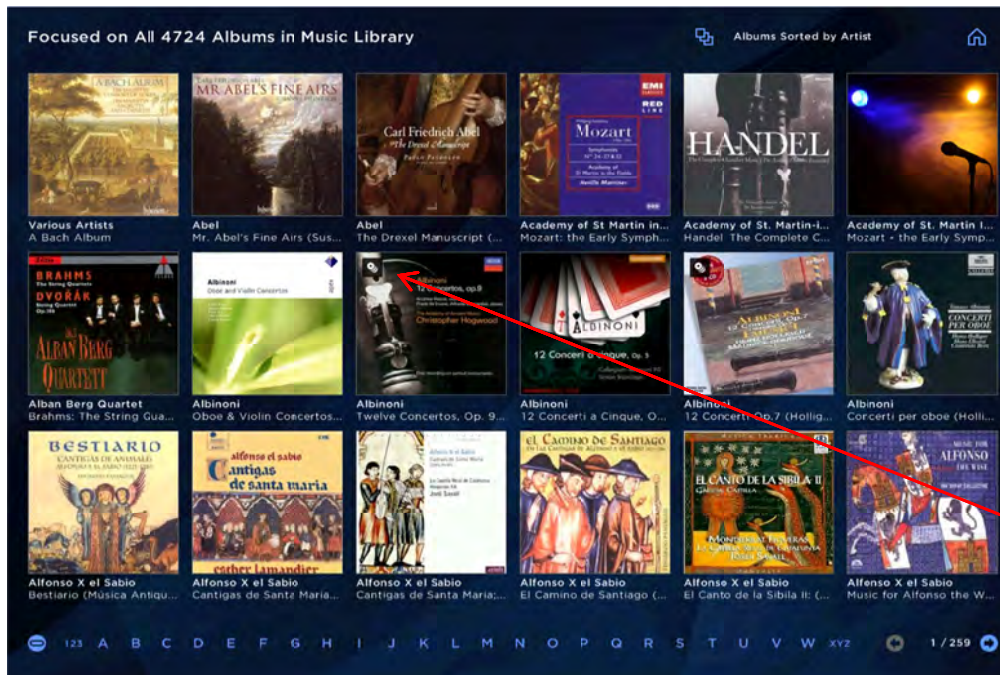
The Sooloos Metadata service will normally provide enough information to allow an average collection to be immediately useful. However some specialised or larger collections can benefit from grooming.

This page shows two larger collections.

This document illustrates some of the unique and powerful Sooloos concepts and techniques which are worth understanding before either importing or refining a collection. Classical and other specialised music collections can need some thought; users have different requirements.

## Working with Sets

We can group albums into sets exactly analogous to a CD boxed-set.



The screen shows Page 1 of a Library after we have grouped two album sets (Albinoni Twelve Concertos; one by Hogwood and the other by Holliger). Album sets show a small icon in the top left corner of the key album.

If we select the Hogwood by touching the set cover then we see the screen below.



On the right there are two Tabs. 'By this Artist' and 'In this Set'. Normally it will come up as shown.

To break the set apart, press: **X Remove** for one of the albums. Another function is: **Make Key** which allows you to pick which album's cover is shown at the top level (normally [1 of n] but there may be a reason to select another).<sup>1</sup>

Albums in sets will be listed in alphabetical order of Album Title or numeric order in a multi-disc set.

<sup>1</sup> A system restart is necessary before changes to album key are visible.

**Copland, Aaron**  
Copland: Orchestral & Ballet Works, 1936-1948 [1 of 3]

Released: 1990  
Label: Sony Music  
Rating: ☆☆☆☆  
Added: October 19, 2010  
Quality: CD  
Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

Tracks	Genres	Credits	Tags	Moods	Review	Export
▶ Play All Tracks ▶ Play Track Picks						
1	El Salón México, for orchestra	☆ 11:29	Play Count: 1	Last: 15 Jan 2011		
2	An Outdoor Overture, for orchestra or band	☆ 9:01	Play Count: 1	Last: 15 Jan 2011		
<b>Billy the Kid, orchestral suite from the ballet</b>						
3	Introduction: The Open Prairie	☆ 3:22	Play Count: 3	Last: 18 Jan 2011		
4	Street in a Frontier Town	☆ 6:37	Never Played			
5	Prairie Night (Card Game at Night)	☆ 3:09	Play Count: 5	Last: 18 Jan 2011		
6	Gun Battle	☆ 2:29	Never Played			
7	Celebration (after Billy's Capture)	☆ 2:16	Never Played			
8	Billy's Death	☆ 1:26	Play Count: 6	Last: 18 Jan 2011		
9	The Open Prairie Again	☆ 1:50	Play Count: 3	Last: 18 Jan 2011		
10	Quiet City, for English horn, trumpet & strings (from the incidental music)	☆ 9:52	Play Count: 1	Last: 15 Jan 2011		
11	John Henry, railroad ballad for orchestra or chamber orchestra	☆ 4:03	Never Played			

Artist Information

By This Artist In this Set

Copland, Aaron  
Copland: Orchestral & B...  
★★★★☆  
▶ Make Key ✕ Remove

Copland, Aaron  
Copland: Orchestral & B...  
★★★★☆  
▶ Make Key ✕ Remove

Copland, Aaron  
Copland: Orchestral & B...  
★★★★☆  
▶ Make Key ✕ Remove

Explore Focus Search Swim Queue: 7:57 Remaining

808v4 Study 0:00 / 7:57 Alfred Cortot - Chopin: Piano Works Barcarolle for piano in F sharp major, Op. 60

Here is another example of a Set. By touching the icons on the right we can quickly view the Works and Tracks on each disc.

**The Beatles**  
Beatles For Sale [2009 Stereo Remaster]

Released: Unknown  
Label: Unknown  
Rating: ☆☆☆☆  
Added: November 17, 2010  
Quality: CD  
Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

Tracks	Genres	Credits	Tags	Moods	Review	Export
▶ Play All Tracks ▶ Play Track Picks						
1	No Reply	★ 2:16	Never Played			
2	I'm a Loser	★ 2:30	Never Played			
3	Baby's in Black	★ 2:04	Never Played			
4	Rock & Roll Music	☆ 2:31	Never Played			
5	I'll Follow the Sun	☆ 1:49	Never Played			
6	Mr. Moonlight	☆ 2:38	Never Played			
7	Kansas City/Hey-Hey-Hey!	☆ 2:38	Never Played			
8	Eight Days a Week	★ 2:43	Never Played			
9	Words of Love	☆ 2:04	Never Played			
10	Honey Don't	☆ 2:57	Never Played			
11	Every Little Thing	☆ 2:04	Never Played			
12	I Don't Want to Spoil the Party	☆ 2:34	Never Played			

Artist Information

By This Artist In this Set

The Beatles  
Beatles For Sale (UK M...  
★★★★★  
▶ Make Key ✕ Remove

The Beatles  
Beatles For Sale (2009...  
★★★★★  
▶ Make Key ✕ Remove

The Beatles  
Beatles For Sale (2009...  
★★★★★  
▶ Make Key ✕ Remove

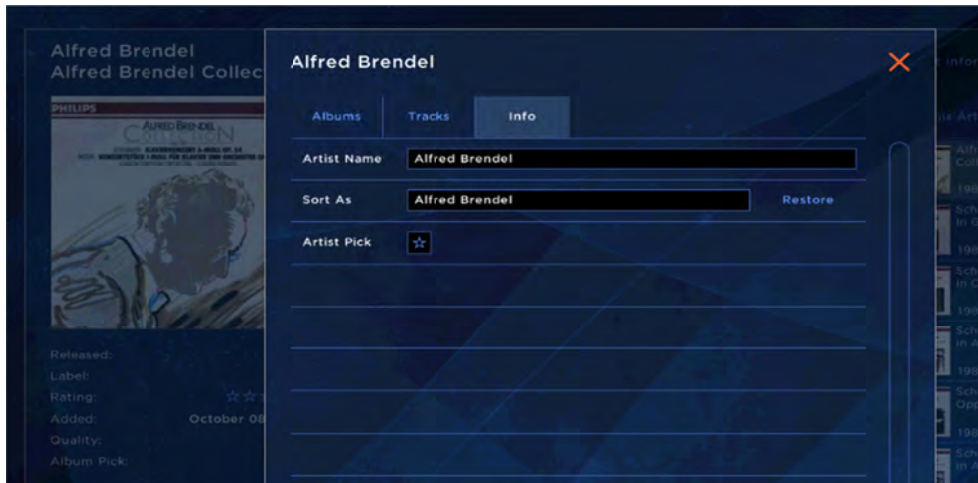
808v4 Study 0:00 / 7:57 Alfred Cortot - Chopin: Piano Works Barcarolle for piano in F sharp major, Op. 60

Sets can be used to group boxed sets, but also other types of collections.

Here we show a 'Set' grouping three different versions of the Album Beatles for Sale.

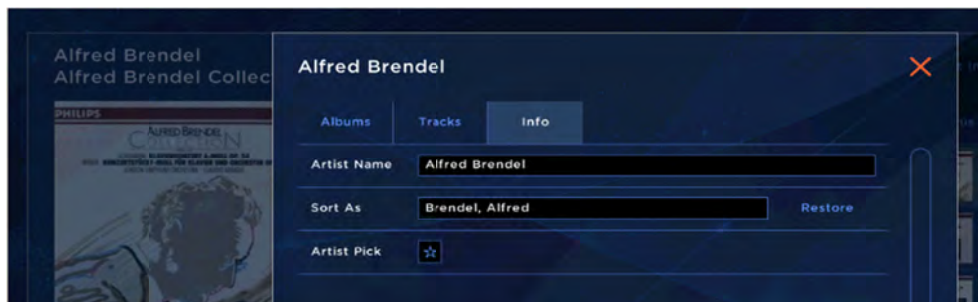
The set, which can be reviewed on the right, contains the original UK recording and the Mono and Stereo re-masters.

## Organising through Naming



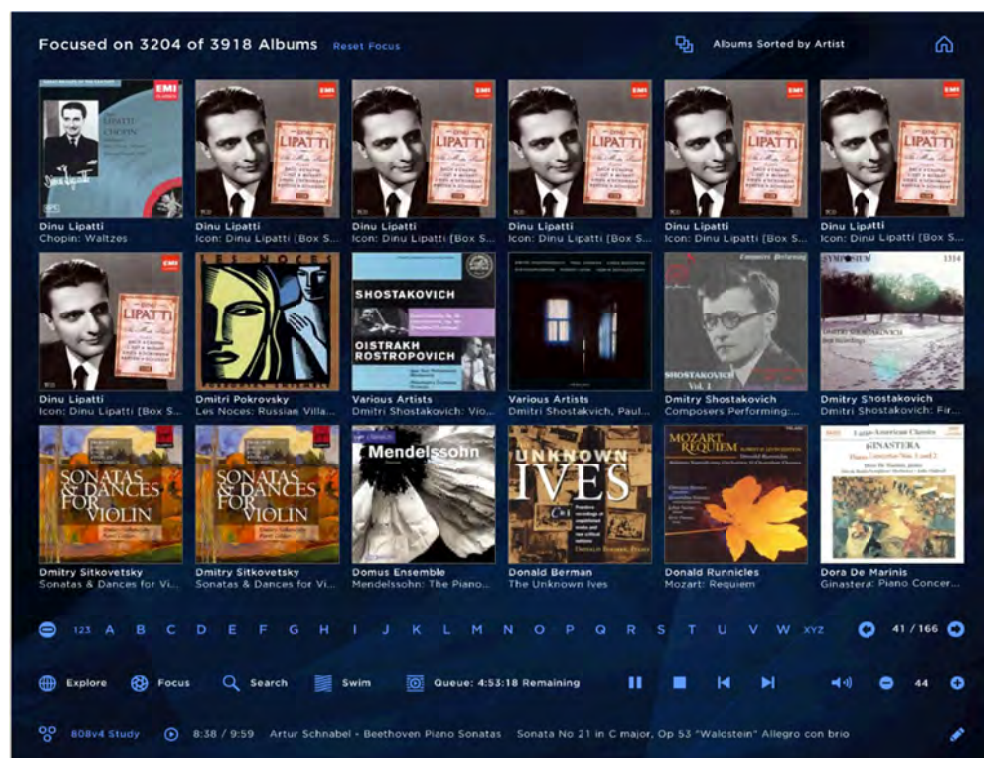
The Artist renaming function can be used in two ways to change the appearance of the 'sorted by artist' view in the Album Browser.<sup>2</sup>

- Changing, for example the artist name *Alfred Brendel* to *Brendel* or *Brendel, Alfred* may make the album view more intuitive to some users.
- Alternatively we can leave the **Artist Name** alone but change their **Sort As** position. Changing the sort for Brendel as shown below will cause albums by this artist to be at 'bre..' in the alphabet.



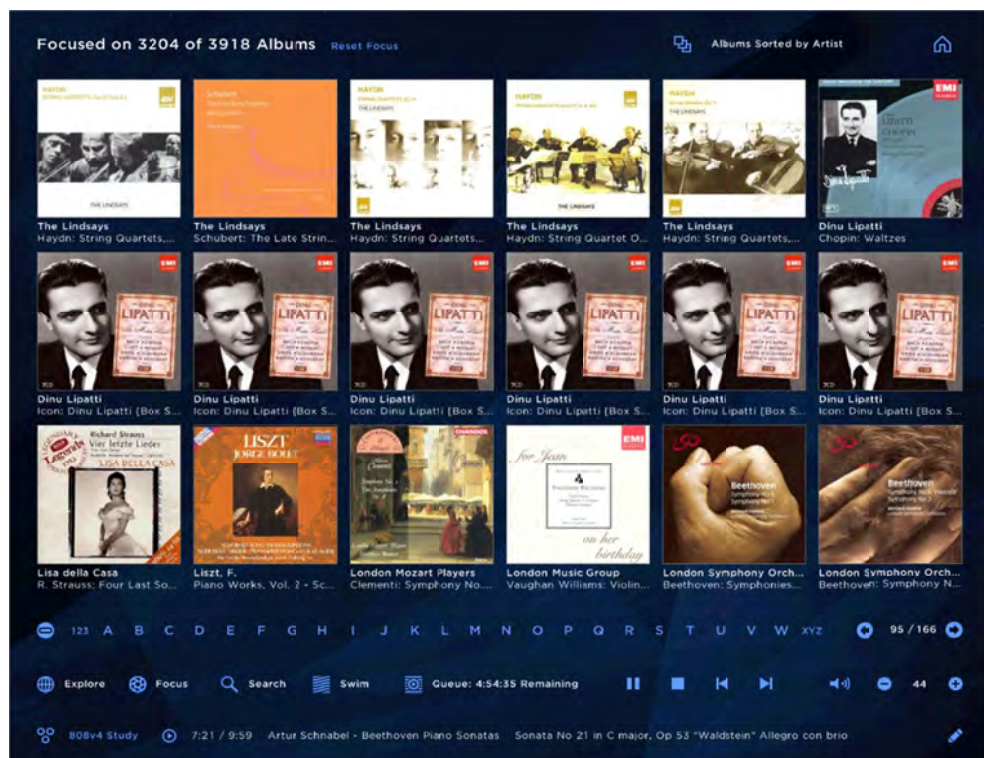
<sup>2</sup> **Informative Note:** Renaming the Artist field will not change the Artist in the Credits section.

The following series of screens illustrate possible organising options for a classical collection.



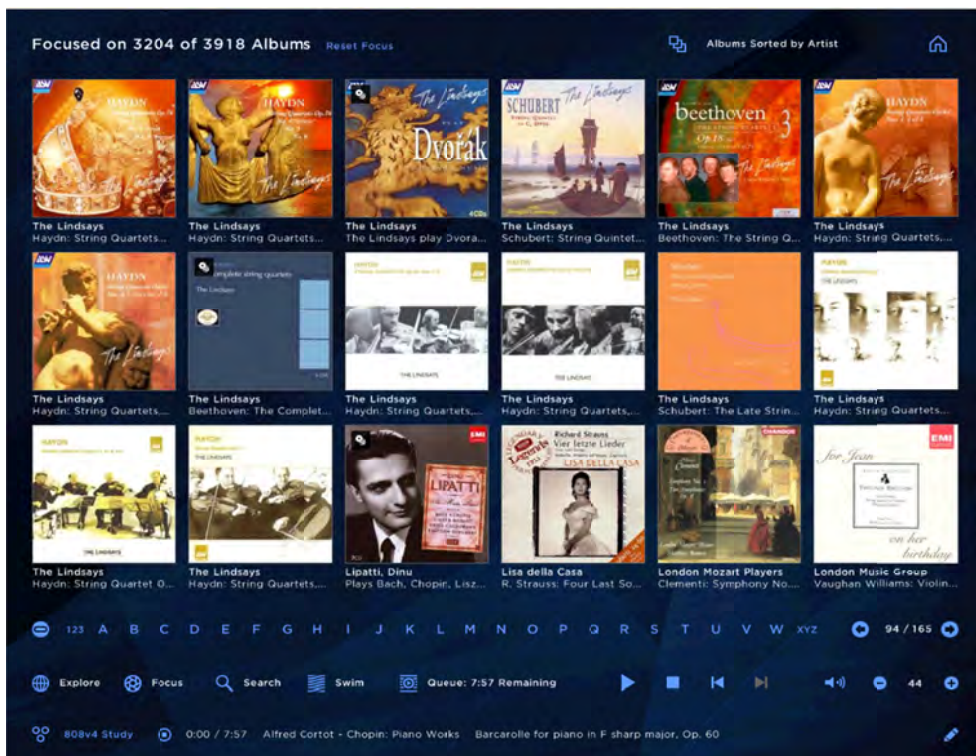
On the left we are looking at an un-groomed collection in 'Albums Sorted by Artist' view.

There are seven albums by Dinu Lipatti, one of which was issued in more than one collection. Here the albums appear in the 'Di..' region of the alphabet.



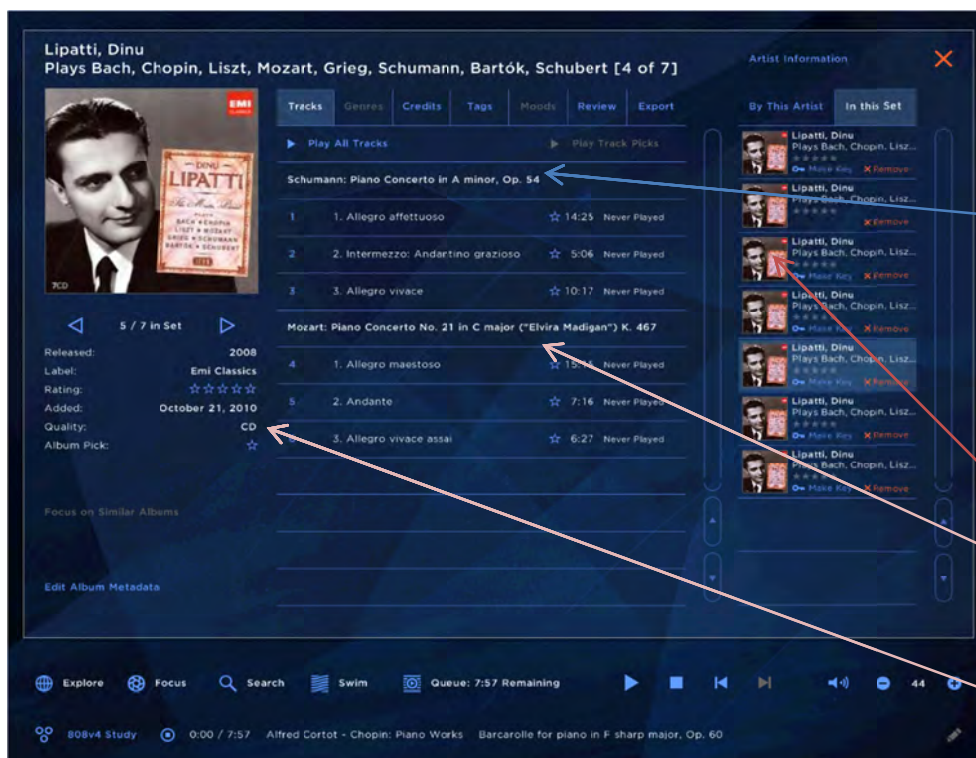
The sort order for this artist can be changed to 'Lipatti, Dinu'. This allows us to retain the displayed name 'Dinu Lipatti' but to show him at 'Li..' in the alphabet.

This order also determines the **Explore** order (see later).



Some users find it more intuitive to refer to artists by their last name. In the screen on the left, we have chosen to display and sort him as 'Lipatti, Dinu'.

Note that the collection is also one step tidier in that the seven discs have been formed into one set, reflecting the owner's collection, preference or perspective.



To explore and play contents from this Set we can use the Album View.

To play a **Work**, just touch that area of the screen.

The screen on the left shows how we can view at a glance:

- Albums in the Set
- Works on each Disc
- Other information (e.g. Review, Credits, Tags, Label, Date, etc.)

**Lipatti, Dinu**  
Plays Bach, Chopin, Liszt, Mozart, Grieg, Schumann, Bartók, Schubert [7 of 7]

Released: 2008  
Label: EMI Classics  
Rating: ☆☆☆☆  
Added: October 21, 2010  
Quality: CD  
Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

Tracks

Play All Tracks

Bach: Partita for keyboard No. 1 in B flat major, BWV 825 (BC L1)

Track	Title	Duration	Status
1	1. Prélude	2:20	Never Played
2	2. Allemande	2:13	Never Played
3	3. Courante	2:53	Never Played
4	4. Sarabande	4:39	Never Played
5	5. Menuet 1 & Menuet 2	2:52	Never Played
6	6. Gigue	2:39	Never Played

Mozart: Piano Sonata No. 8 in A minor, K. 310 (K. 300d)

Track	Title	Duration	Status
7	1. Allegro maestoso	5:43	Never Played
8	2. Andante cantabile con espressione	6:00	Never Played
9	3. Presto	2:59	Never Played

Schubert

Artist Information

By This Artist

In this Set

And we can quickly review other Albums in the same Set.

Below we see another view of the **Artist Information**.

**Lipatti, Dinu**  
Plays Bach, Chopin, Liszt, Mozart, Grieg, Schumann, Bartók, Schubert [7 of 7]

Released: 2008  
Label: EMI Classics  
Rating: ☆☆☆☆  
Added: October 21, 2010  
Quality: CD  
Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

Albums

Tracks

Info

Play All Tracks

Play Track Picks

Chopin: Waltz for piano No. 12 in F minor, Op. 70/2, CT. 218

Chopin: Waltz for piano No. 12 in F minor, Op. 70/2, CT. 218

Chopin: Waltz for piano No. 10 in B minor, Op. 69/2, CT. 216

Chopin: Waltz for piano No. 10 in B minor, Op. 69/2, CT. 216

Bach: Ich ruf zu dir, Herr Jesu Christ (I), chorale prelude for organ

Chopin: Waltz for piano No. 11 in G flat major, Op. 70/1, CT. 217

Chopin: Waltz for piano No. 11 in G flat major, Op. 70/1, CT. 217

Chopin: Piano Sonata No. 3 in B minor, Op. 58, CT. 203: 2. Scherzo: Molto

Mozart: Piano Concerto No. 21 in C major ("Elvira Madigan") K. 467: 1.

Grieg: Piano Concerto in A minor, Op. 16: 3. Allegro moderato molto e

Chopin: Waltz for piano in E minor, KK IVa/15, CT. 222 (B. 56)

Chopin: Waltz for piano in E minor, KK IVa/15, CT. 222 (B. 56)

Artist Information

By This Artist

In this Set

## Album Detail

The screenshot displays the 'Album Detail' page for Leonard Bernstein's 'El Salón México, Concerto for Clarinet and String Orchestra/Music for the Theatre'. The page is divided into several sections:

- Header:** Leonard Bernstein, Copland: El Salón México, Concerto for Clarinet and String Orchestra/Music for th...
- Artist Information:** A tabbed interface with options: Tracks, Genres, Credits, Tags, Moods, Review, Export.
- Album Cover:** A black and white photo of Leonard Bernstein and a yellow album cover for 'EL SALÓN MÉXICO - CLARINET CONCERTO'.
- Metadata:**
  - Released: Unknown
  - Label: Deutsche Grammophon
  - Rating: ★★★★★
  - Added: October 19, 2010
  - Quality: CD
  - Album Pick: ★
- Focus on Similar Albums:** A link to explore similar albums.
- Edit Album Metadata:** A link to edit the album's metadata.
- Tracks:** A list of tracks with their durations and play status.
 

Track Number	Track Name	Duration	Status
1	El Salón México, for orchestra	12:08	Never Played
<b>Clarinet Concerto</b>			
2	1. Slowly and expressively. Cadenza	9:38	Never Played
3	2. Rather Fast	8:15	Never Played
<b>Music for the Theatre, suite for small orchestra</b>			
4	No. 1, Prologue	6:27	Never Played
5	No. 2, Dance	3:29	Never Played
6	No. 3, Interlude	5:47	Never Played
7	No. 4, Burlesque	3:40	Never Played
8	No. 5, Epilogue	4:14	Never Played
9	Connotations, for orchestra	20:29	Never Played
- By This Artist:** A list of other albums by Leonard Bernstein, including 'Liszt: A Faust Symphony', 'Beethoven: 9 Symphonien; Ouvertüren', 'Bernstein Century: Gershwin', 'Mahler: Symphonie No. 5', 'Tchaikowski: Symphonie No. 6', and 'Charles Ives: Symphony No. 2'.

The bottom of the screen shows a navigation bar with icons for Explore, Focus, Search, Swim, and Queue (7:57 Remaining). The bottom status bar displays the current track: 808v4 Study, 0:00 / 7:57, Alfred Cortot - Chopin: Piano Works, Barcarolle for piano in F sharp major, Op. 60.

The example above illustrates the usefulness of the Album Detail page.

On the right we have a complete list of Albums by the same Artist. In this case the Artist means the 'Album Artist' who appears at the top of this screen.

When setting up a Library it is worth getting to know this feature before deciding exactly if/how to groom the metadata. In the above we can see that *Leonard Bernstein* is the 'Artist', in this case the collector obviously prefers 'Conductor' (or in this case possibly also 'Composer'). Doing so shows us a full list of other Albums where *Bernstein* is the conductor. However some collectors may prefer to distinguish between him conducting the *New York Philharmonic* (as here) by editing the Album Artist to, e.g., '**Bernstein / NYPO**'. If we did this then there would be more granularity in the **By This Artist** section.

A more granular approach may also combine Soloist / Conductor / Orchestra, e.g. **Uchida / Tate / ECO**. On the other hand some might prefer to organise the concerto Genre hierarchically as Soloist, if not Conductor, else Orchestra (so in the earlier example: '*Mitsuko Uchida*' only in the Artist position).

*Editing Album Artist will have no impact on the metadata in Credits where each person will be separately represented by role and vice-versa.*

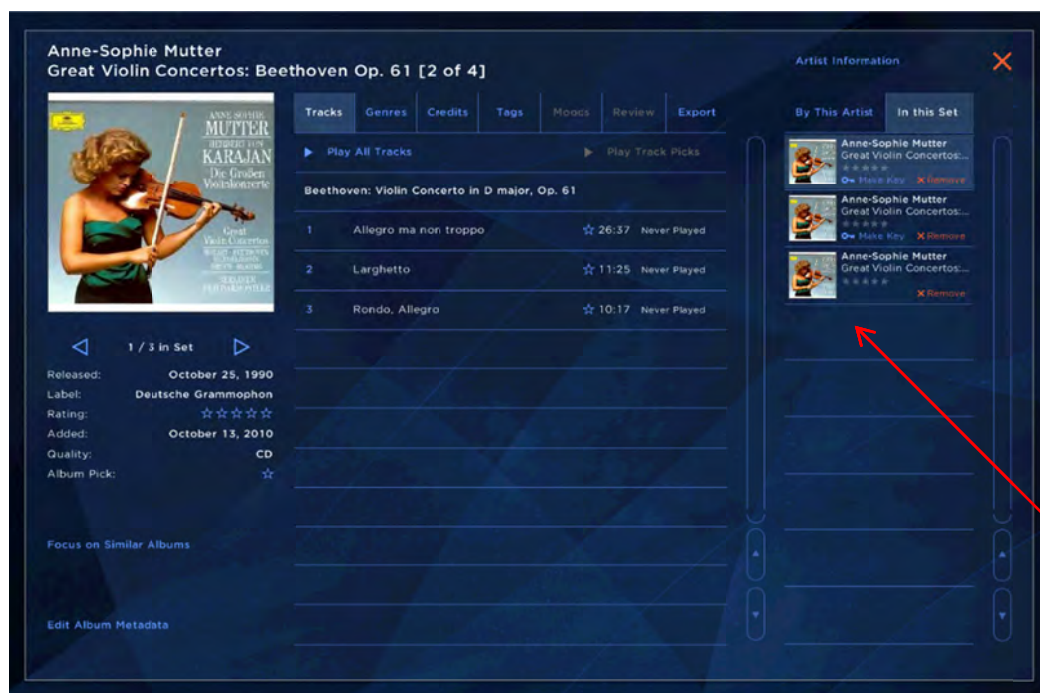
## Finding Content

### Explore

The 'Sort As' setting for Artists will also be reflected when using the Explore function on screen or in either Control:PC or the iPad or iPhone application. Below we can see the Control screen while using **Explore** to find Albums by Alfred Brendel. More albums can be seen using the scroll bars.



More examples of exploring are given in the section later on iPad.



We can use the Album Detail view to help us explore recordings by an Artist.

On the left we see a CD of the Beethoven Op.61 Violin Concerto played by Anne-Sophie Mutter.

This album is part of a set.

The screenshot shows the Sooloos interface for the album 'Anne-Sophie Mutter: Great Violin Concertos: Beethoven Op. 61 [2 of 4]'. The interface is divided into several sections:

- Album Information:** Released: October 25, 1990; Label: Deutsche Grammophon; Rating: ☆☆☆☆; Added: October 13, 2010; Quality: CD; Album Pick: ☆.
- Tracks:** A list of three tracks: 1. Allegro ma non troppo (26:37, Never Played), 2. Larghetto (11:25, Never Played), 3. Rondo, Allegro (10:17, Never Played).
- Artist Information:** A tab labeled 'By This Artist' is highlighted with a red arrow. Below it, a list of other albums by Anne-Sophie Mutter is shown, including 'Great Violin Concertos: Beethoven Op. 61', 'Great Violin Concertos: Brahms Op. 77', 'Great Violin Concertos: Mozart K.216, K.219', 'Lutoslawski: Chain 2: Partita & Stravinsky', 'Vivaldi: Le Quattro Stagioni (The Four Seasons)', 'Bartok: Violin Concerto, Moret. En Rêve', 'Alban Berg: Violin Concerto "To the'", 'Anne-Sophie Mutter: The Berlin Recital', and 'Penderecki: Violin Concerto No. 2'.

The bottom of the interface shows a navigation bar with icons for Explore, Focus, Search, Swim, and a queue of 6:02:00 remaining. The bottom status bar shows the current track: '808v4 Study' by Thomas Beecham - Thomas Beecham - The Maestro, Haydn: Symphony No. 93 in D major: I Allegro Assai.

Press **By This Artist**

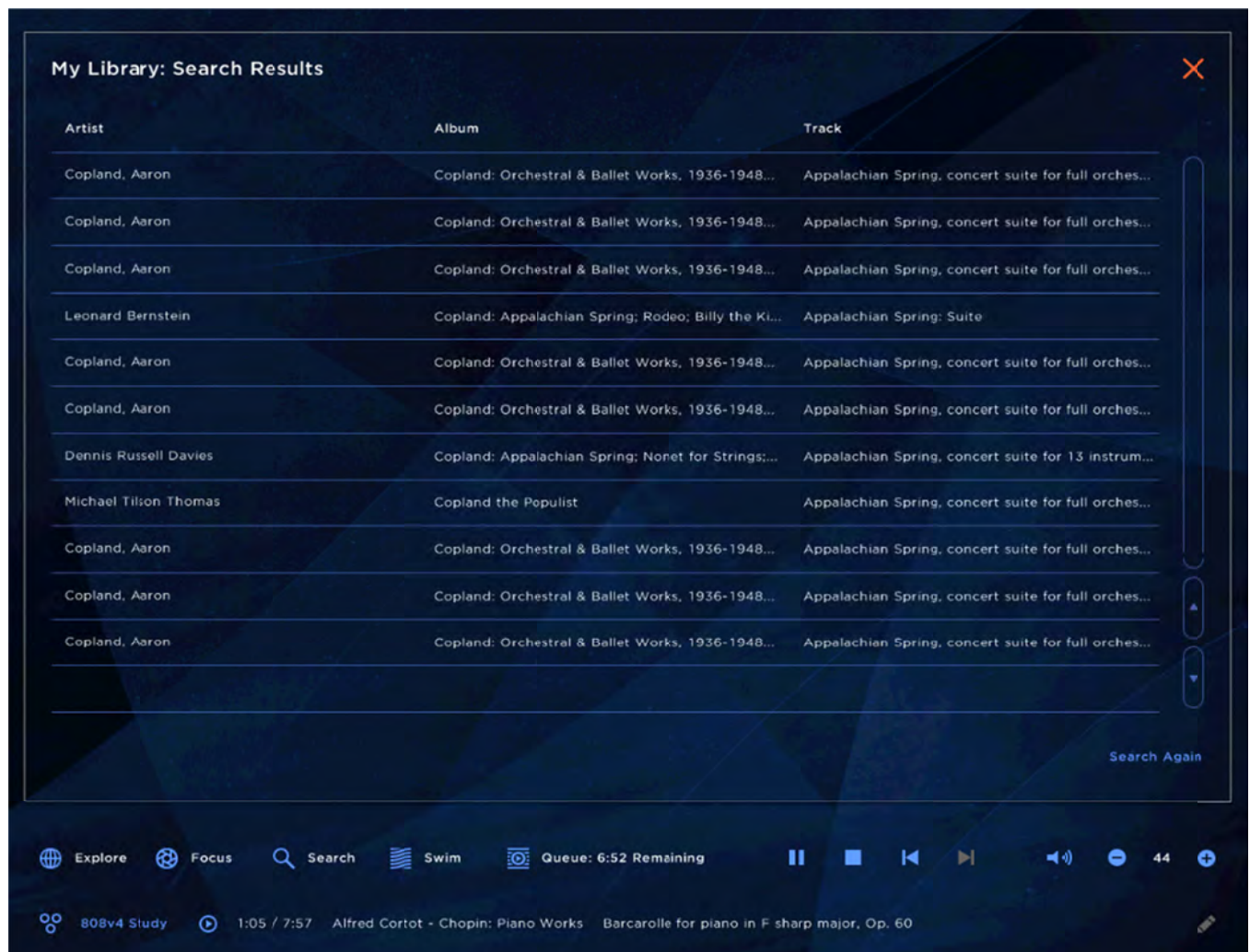
Now we see albums in the Library where she is Album Artist.

Any of these may be explored and then played.

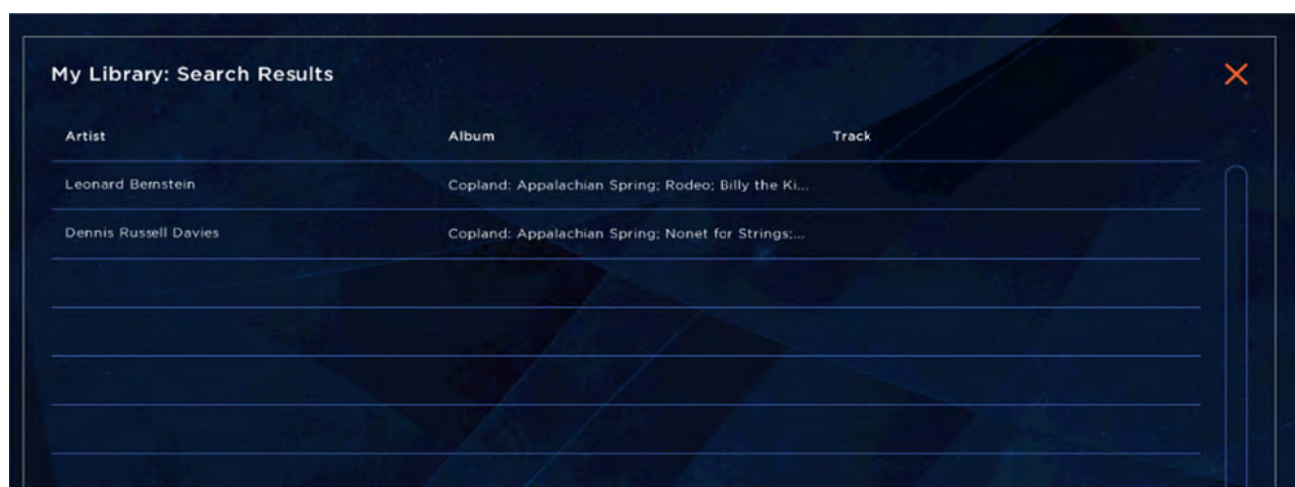
If we had changed the Album Artist name to, e.g. 'Mutter / Karajan' then we would not so easily see her in other genres or performances.

## Search

The touchscreen has a Search function which can be used to identify Album Artists, Albums or Tracks which contain the search string. The screen below shows the result of a search for “Copland”.



While below we can see the result of an Album-only search for the short string “Appal”.



If we select the second Album then we can see the Album Detail screen shown below:

**Dennis Russell Davies**  
**Copland: Appalachian Spring; Nonet for Strings; Two Pieces for String Quartet**

**COPLAND**  
 Appalachian Spring: Nonet for Strings  
 Two Pieces for String Quartet  
 DENNIS RUSSELL DAVIES conductor  
 St. Louis Chamber Ensemble

Released: 1990  
 Label: Nimbus  
 Rating: ☆☆☆☆  
 Added: October 19, 2010  
 Quality: CD  
 Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

**Tracks** Genres Credits Tags Moods Review Export

▶ Play All Tracks ▶ Play Track Picks

1	Copland: Appalachian Spring, concert suite for 13 instruments	☆ 24:55	Play Count: 3 Last: 24 Jan 2011
2	Copland : Nonet, for 3 violins, 3 violas & 3 cellos	☆ 16:35	Never Played
<b>Copland: Pieces (2), for string quartet</b>			
3	Lento Molto	☆ 4:35	Never Played
4	Rondino	☆ 3:59	Never Played

**By This Artist**

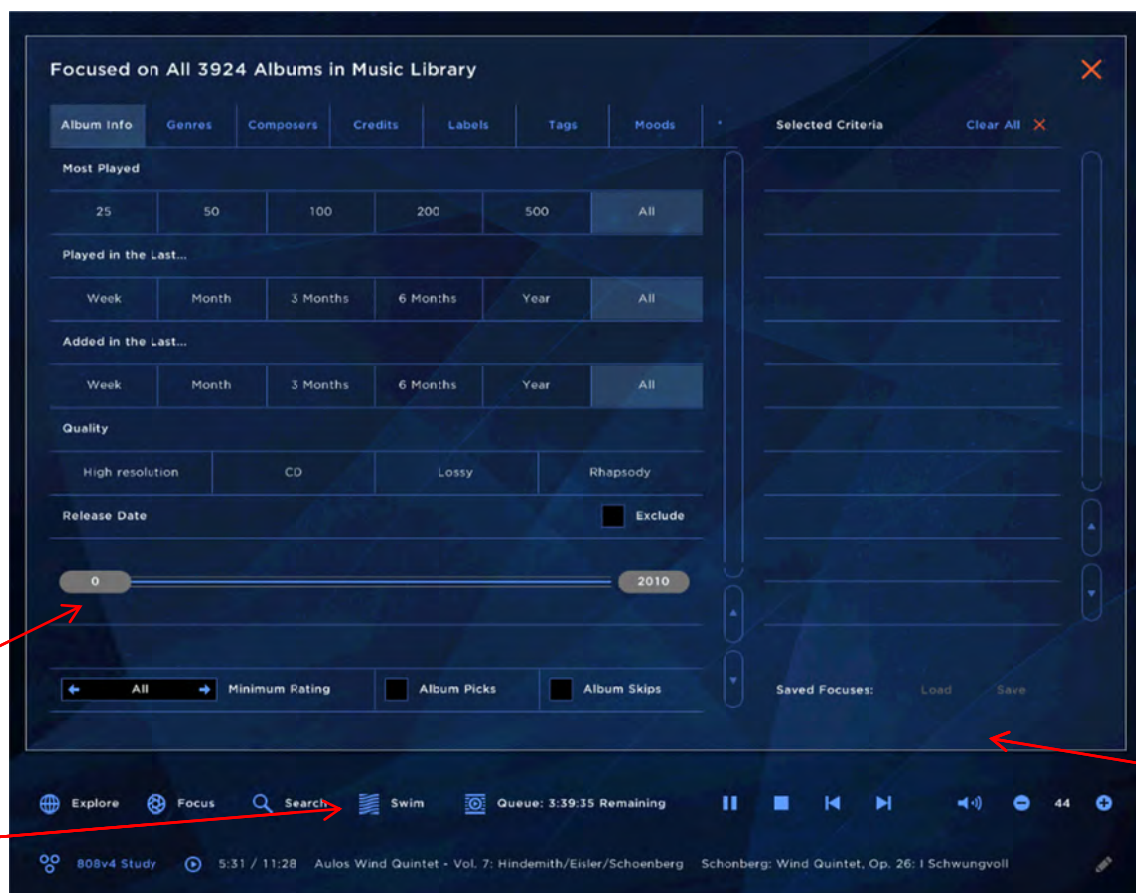
Copland: Appalachian Spring: Nonet for Strings, 1990

Explore Focus Search Swim Queue: 6:02:00 Remaining

808v4 Study Paused at 6:23 / 6:43 Thomas Beecham - Thomas Beecham - The Maestro Haydn: Symphony No. 93 in D major: I Allegro Assai

## Focus

In addition to the [Explore](#) and [Search](#) functions, the collection can be viewed in a wide variety of ways using the [Focus](#) feature.



Focus allows us to restrict the number of albums shown on the screen according to a number of criteria.

A 'Focus' could be as simple as a [Date](#) range<sup>3</sup>, a single Genre or a combination made up of these, [Genres](#), [Composer](#) names, [Credits](#), [Labels](#), [Tags](#) and [Moods](#) or even audio [Quality](#). For more detail on using Focus see page 40.

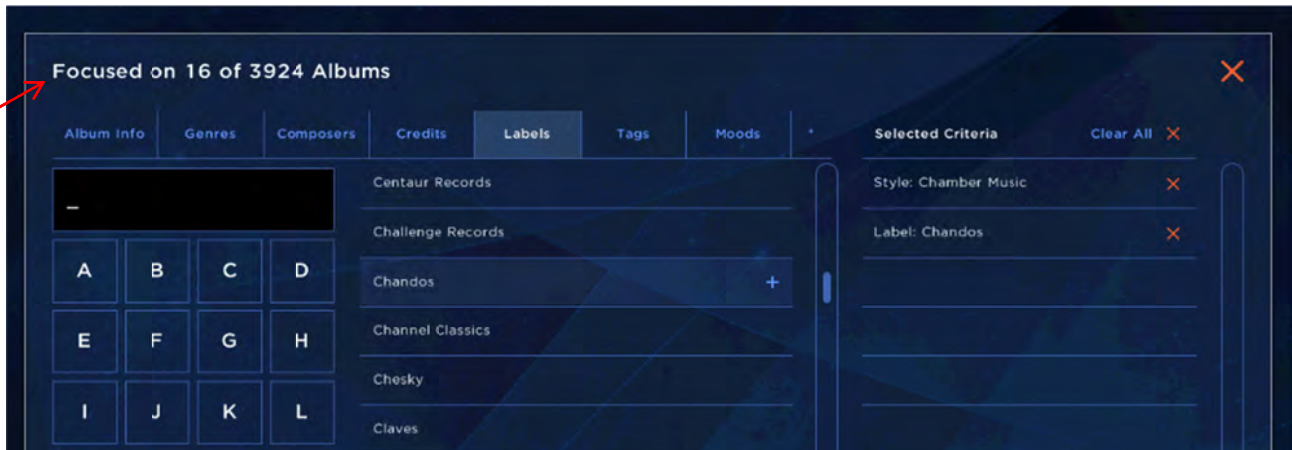
Focus is very powerful and the best results for a large or complex collection rely on the database quality.

When we Focus the number of Albums in immediate view is reduced to those matching the chosen criteria. This can be a very powerful way to zoom in on a small number of Albums.

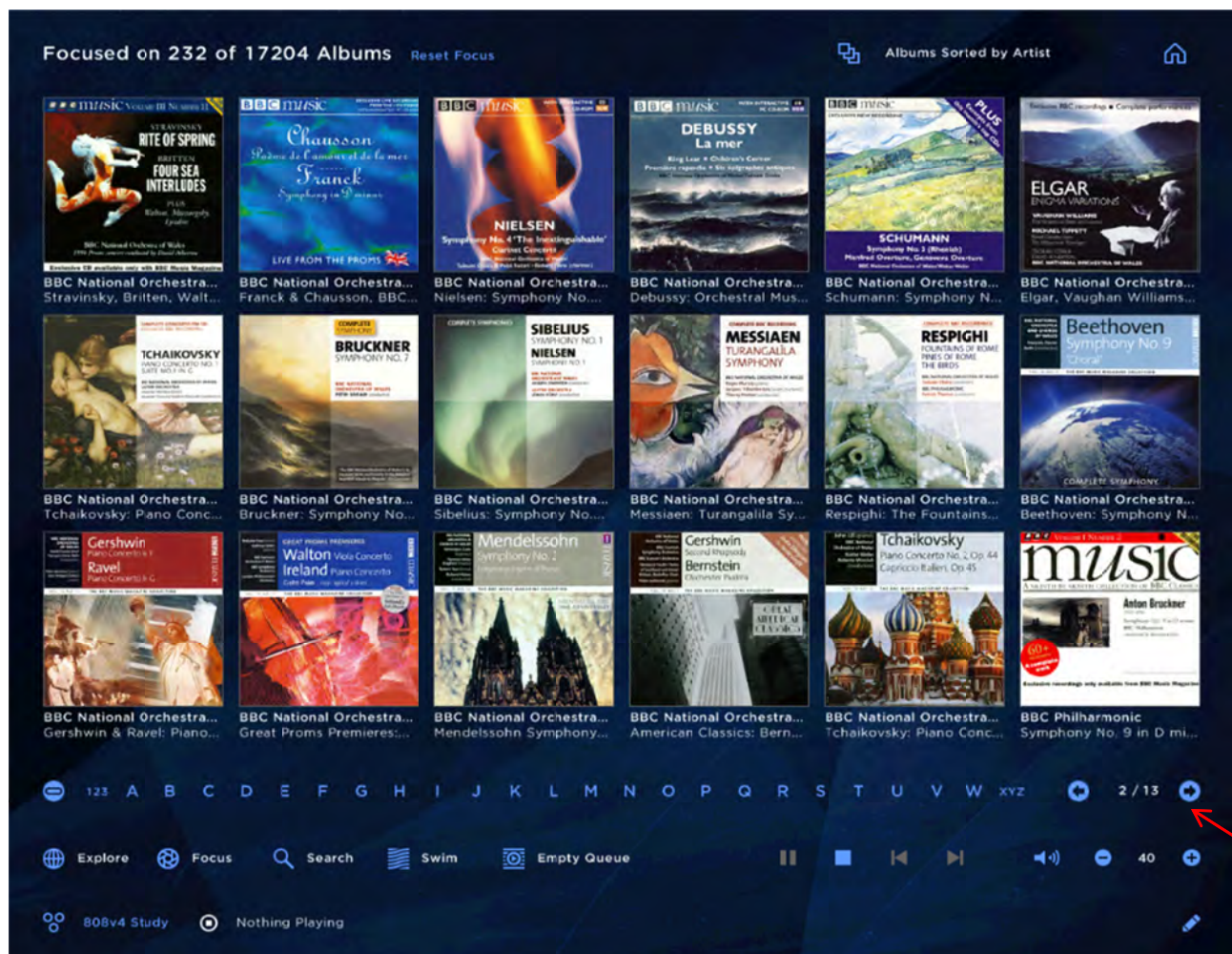
A [Focus](#) can be [Saved](#) and [Loaded](#) later, but **only on the Touchscreen Control**.

We can [Swim](#) in a [Saved Focus](#) using the Control, Control:PC/Mac, iPad and iPhone/Touch applications.

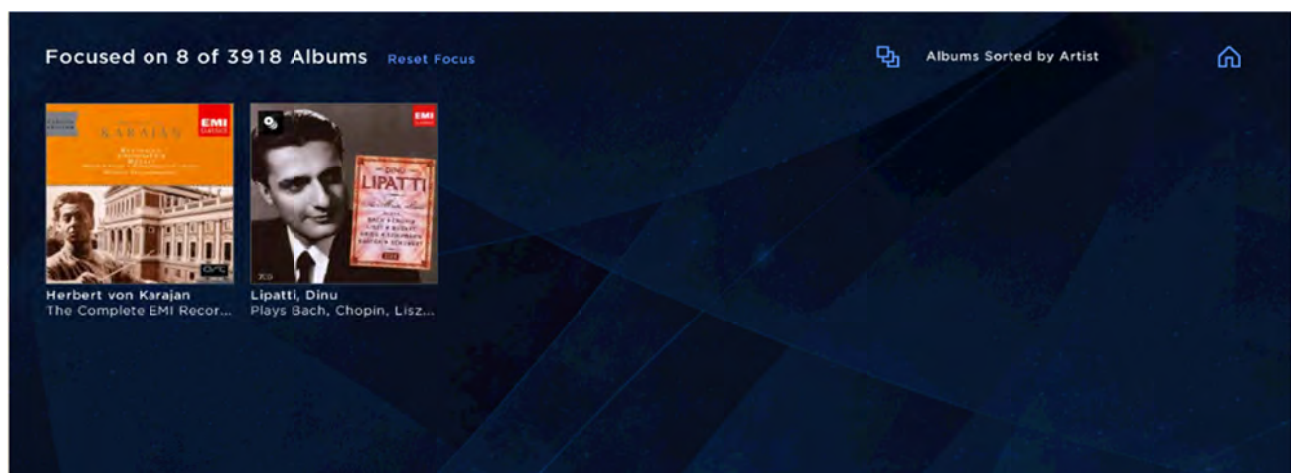
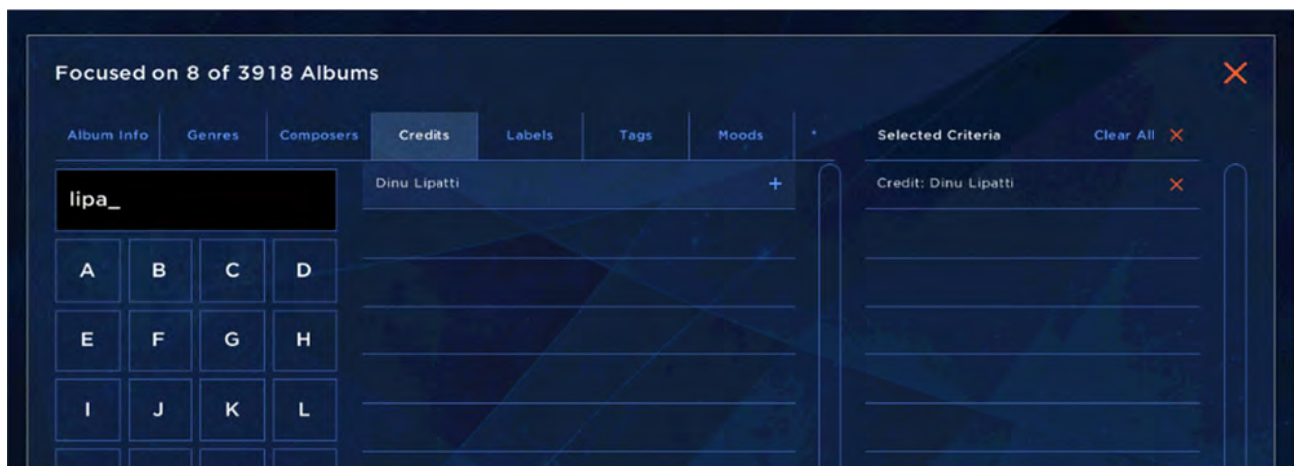
<sup>3</sup> In the screen example above we see a problem in that the Date range is running from 0. Normally we should be surprised to see any dates earlier than 1930. A zero range-start makes it hard to use the Release Date slider. The zero has come from albums with incorrect or corrupted release date information. It is straightforward to Focus on these and correct the Album data, possibly with reference to the information sources given on page 31.



The screen above shows how a Focus on albums released by *Chandos* containing *Chamber Music* will reduce the albums displayed to 16 from 3924.



The example above shows a 'Focus' on Albums issued by BBC Music Magazine. We can see that there are 232 discs in the focus and the scroll buttons allow us to navigate around the 13 screens.



The screens above show a Focus on all the Albums in the Library by *Dinu Lipatti*. Note how we only had to type in 'lipa' to get this result. The next step in seeking a movement played by him is to touch the Set and then navigate to an Album (as shown earlier). The combination of Focus, Touch and visual cues from the album covers is rapid, intuitive and very satisfactory.

## Exploring through Focus

**Domus**  
Dvorák: Piano Quartets

Released: 1988  
Label: Unknown  
Rating: ☆☆☆☆  
Added: May 08, 2009  
Quality: CD  
Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

Tracks Genres Credits Tags Moods Review Export

Play All Tracks Play Track Picks

Piano Quartet No. 1 in D major, B. 53 (Op. 23)

1	Allegro moderato	☆ 15:30	Now Playing
2	Theme (Andantino) and Variations	☆ 11:07	Play Count: 1 Last: 25 Oct 2009
3	Finale: Allegretto scherzando	☆ 7:33	Play Count: 1 Last: 25 Oct 2009

Piano Quartet No. 2 in E flat major, B. 162 (Op. 67)

4	Allegro con fuoco	☆ 8:45	Play Count: 1 Last: 25 Oct 2009
5	Lento	☆ 10:31	Play Count: 1 Last: 25 Oct 2009
6	Allegro moderato grazioso	☆ 7:27	Play Count: 1 Last: 25 Oct 2009
7	Finale: Allegro ma non troppo	☆ 9:31	Play Count: 1 Last: 25 Oct 2009

Artist Information

By This Artist

- Fauré: Piano Quartets 1 & 2 1985
- Dvorák: Piano Quartets 1988
- Brahms: Piano Quartets 1999
- Brahms: Piano Quartets 1999
- Fauré: Piano Quintets 1999

Serendipity ..

Our starting position is listening to Dvorak piano quartet by the Ensemble 'Domus'.

This is the Album view and we can see other albums recorded by them on the right.

**Domus**  
Dvorák: Piano Quartets

Released: 1988  
Label: Unknown  
Rating: ☆☆☆☆  
Added: May 08, 2009  
Quality: CD  
Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

Tracks Genres Credits Tags Moods Review Export

Andrew Keener Producer

Antonin Dvorák Composer

Antony Howell Engineer

Domus Ensemble Ensemble

Edward Perry Executive Producer

Jan Brueghel [Artist, Son Of Pieter...] Cover Illustration

Kryslia Osostowicz Violin

Richard Lester Cello

Richard Wigmore Liner Notes

Susan Tones Piano

Terry Shannon Design

Timothy Boulton Viola

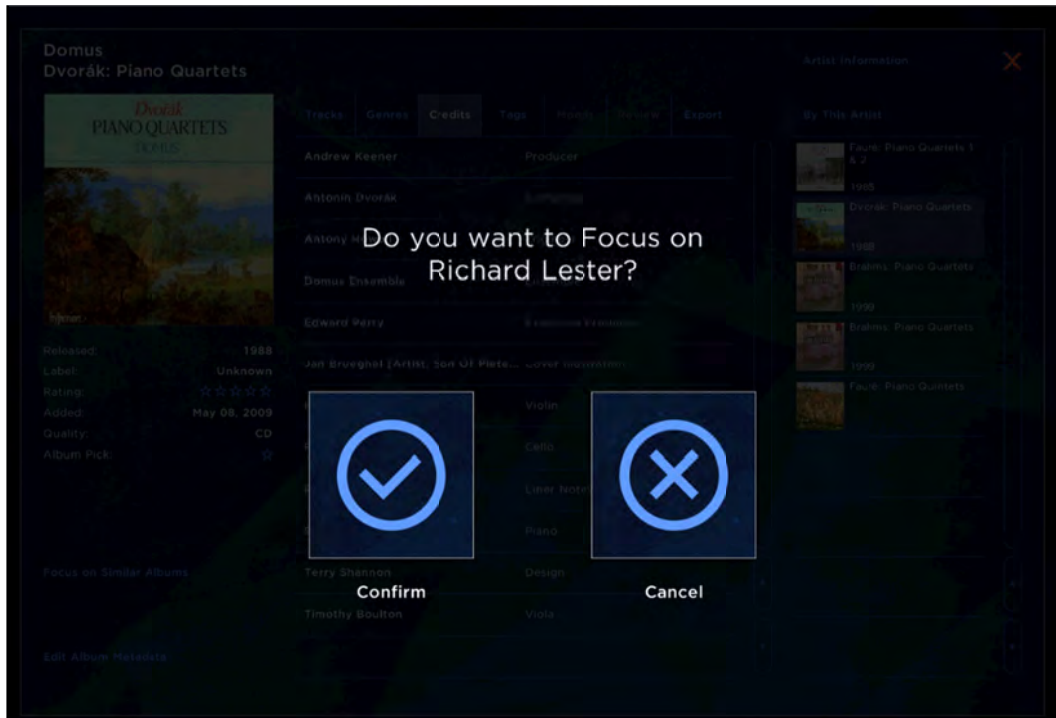
Artist Information

By This Artist

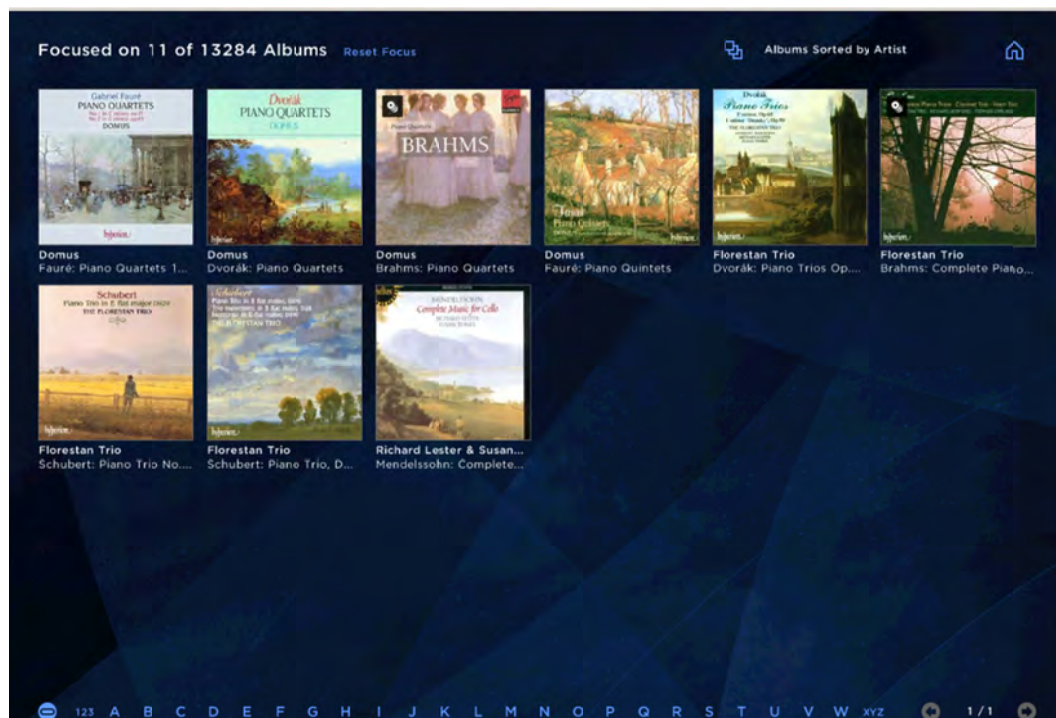
- Fauré: Piano Quartets 1 & 2 1985
- Dvorák: Piano Quartets 1988
- Brahms: Piano Quartets 1999
- Brahms: Piano Quartets 1999
- Fauré: Piano Quintets 1999

Let's suppose we are very struck by the musicianship of the cellist.

Pressing the Credit Tab allows us to see that he is **Richard Lester**.



*Press on his name and we get this dialog.*

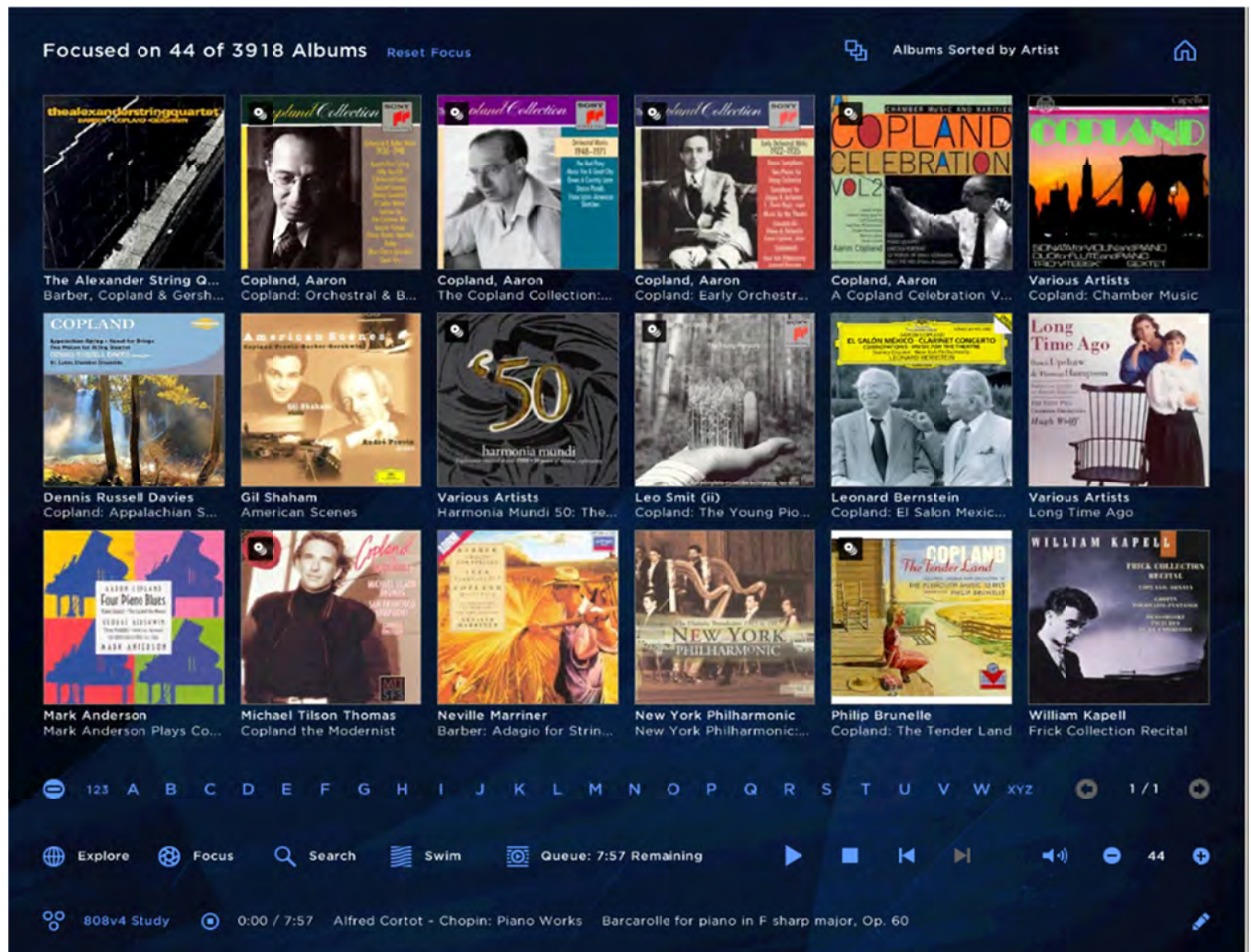


*Now we see a Focus showing all the albums in the Library on which he played.*

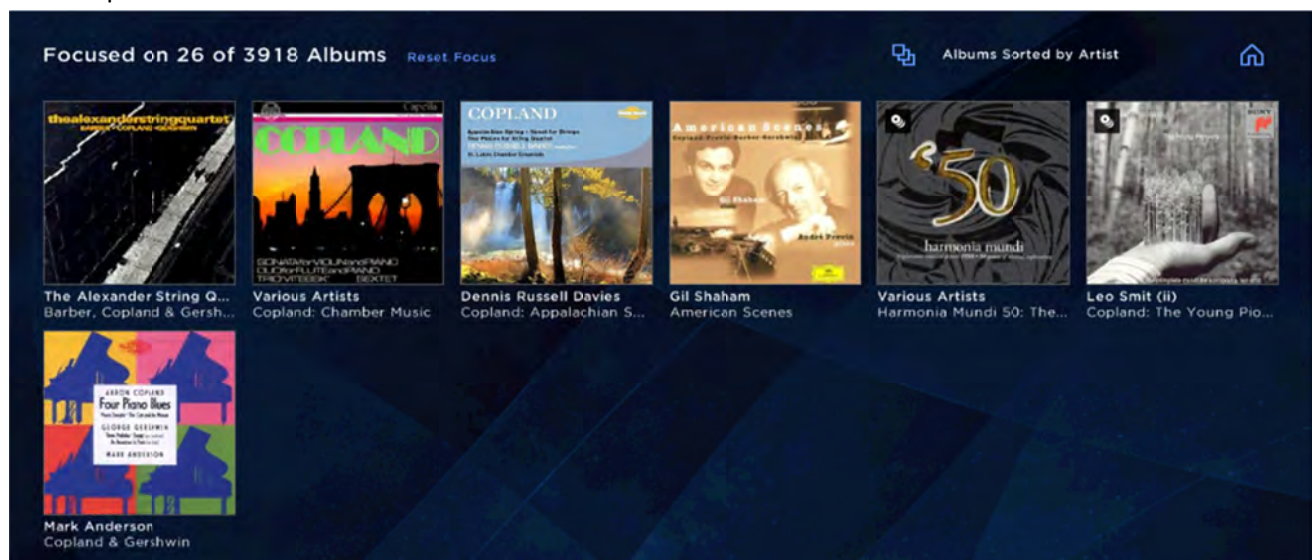
*We could now go on to explore performances by the FlorestanTrio (and discover that they share the pianist, Susan Tones).*

## Refining a View

In this sequence of screens we show how Focus can refine a view into a collection.



Above we have a Composer Focus on *Copland* and we see 44 albums from the collection contain his works. Below is a tighter focus on *Chamber Music* composed by *Copland*. Picking the last album allows us, e.g. to select a piano sonata.



Mark Anderson

Copland & Gershwin

Released: 1999

Label: Nimbus

Rating: ☆☆☆☆

Added: October 19, 2010

Quality: CD

Album Pick: ☆

Focus on Similar Albums

Edit Album Metadata

Tracks

Genres

Credits

Tags

Moods

Review

Export

▶ Play All Tracks

▶ Play Track Picks

Copland: Four Piano Blues

1	1. For Leo Smit - freely poetic	☆	2:15	Never Played
2	2. For Andor Foldes - soft and languid	☆	2:26	Never Played
3	3. For William Kapell - muted and sensuous	☆	2:29	Never Played
4	4. For John Kirkpatrick - with bounce	☆	1:45	Never Played

Copland, Piano Sonata

5	1. Molto moderato (freely expressive	☆	7:38	Never Played
6	2. Vivace (delicate, restless	☆	5:29	Never Played
7	3. Andante sostenuto	☆	10:11	Never Played

Gershwin: Three Preludes for piano

8	1. Allegro ben ritmato e deciso	☆	1:32	Never Played
9	2. Andante con moto e poco rubato	☆	3:35	Never Played

Artist Information

By This Artist

Brahms: Klavierstücke Opp. 118 & 119

1997

Copland & Gershwin

1999

Explore

Focus

Search

Swim

Queue: 7:57 Remaining

▶

■

◀

▶

🔊

⌂

44

+

Focused on 5 of 3918 Albums

Reset Focus

Albums Sorted by Artist

🏠

The Alexander String Q...

Barber, Copland & Gersh...

Copland, Aaron

A Copland Celebration V...

Various Artists

Copland: Chamber Music

Dennis Russell Davies

Copland: Appalachian S...

If we were instead looking for *String Quartets* composed by *Copland*, then this Focus shows we have only four albums to explore (or immediately recognise). Let's pick the album by *Davies* containing the *Nonet*.

**Dennis Russell Davies**  
**Copland: Appalachian Spring; Nonet for Strings; Two Pieces for String Quartet**

**COPLAND**  
Appalachian Spring • Nonet for Strings  
Two Pieces for String Quartet  
Dennis Russell Davies, conductor  
St. Luke's Chamber Ensemble

Released: 1990  
Label: Nimbus  
Rating: ☆☆☆☆  
Added: October 19, 2010  
Quality: CD  
Album Pick: ☆

[Focus on Similar Albums](#)

[Edit Album Metadata](#)

Tracks	Genres	Credits	Tags	Moods	Review	Export
<b>Play All Tracks</b> <b>Play Track Picks</b>						
1	Appalachian Spring, concert suite for 13 instruments			☆ 24:55	Never Played	
2	Nonet, for 3 violins, 3 violas & 3 cellos			☆ 16:35	Never Played	
<b>Pieces (2), for string quartet</b>						
3	Lento Molto			☆ 4:35	Never Played	
4	Rondino			☆ 3:59	Never Played	

**Artist Information** ✕

**By This Artist**

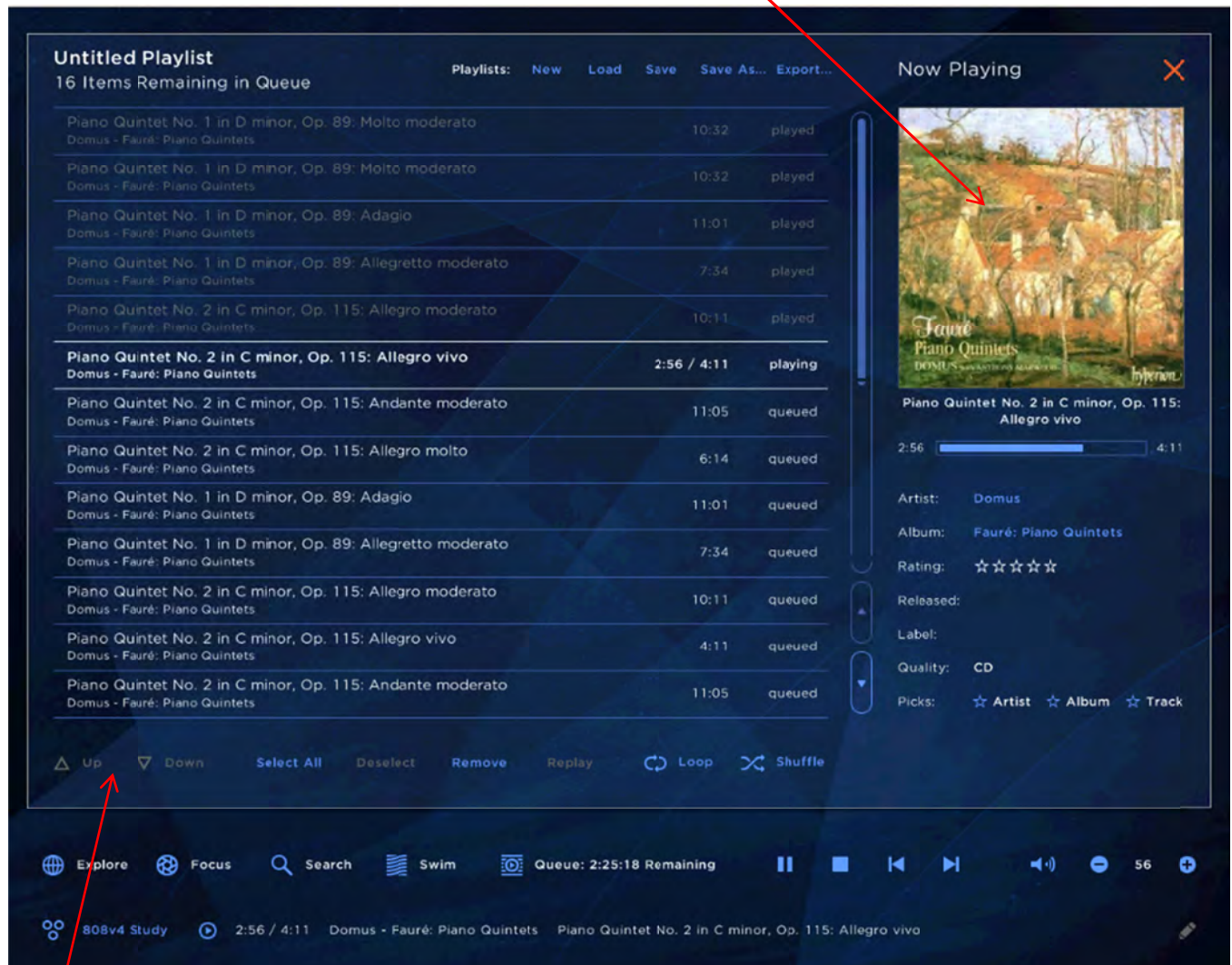
Copland: Appalachian Spring; Nonet for Strings; Two Pieces for String Quartet  
1990

We can also Focus on similar Albums; in this case the Focus will widen to all Albums of the same Genre.

## Playlists

We have shown how the Sooloos system can explore, search and focus on content. When it comes to playing, the system has a **Play Queue** which can be seen at any time by pressing the currently-playing item at the very bottom of the main screen. The Queue and Now Playing areas are shown below.

Touching the cover image will take you to the Album Detail view.



The order to be played can be changed on the fly by selecting an item and using the Up/Down arrows.

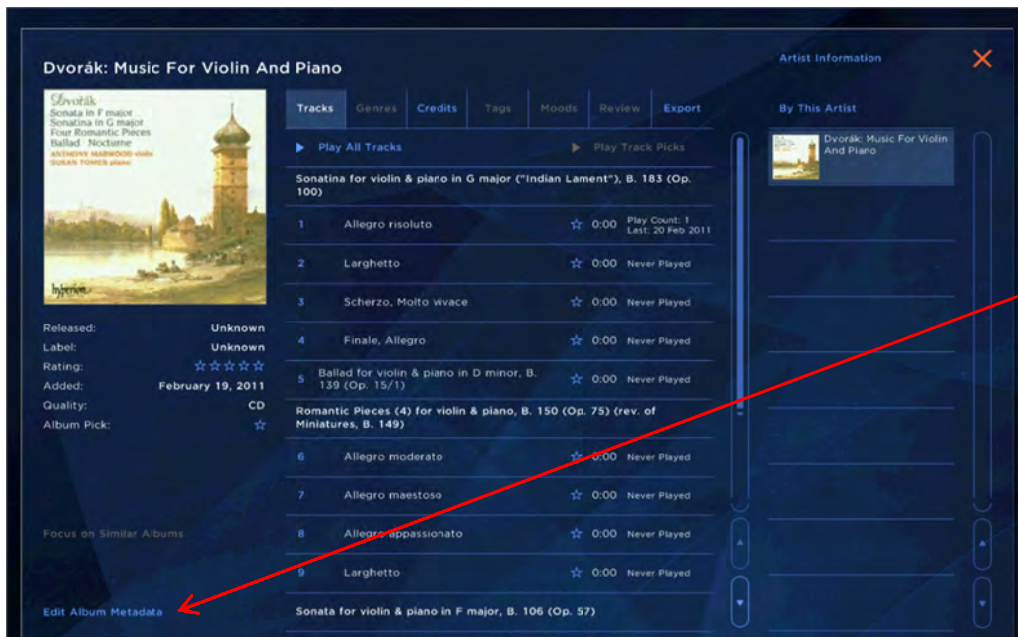
At the top of the screen are buttons to create (New), Load, Save or Export Playlists. Playlists which are built in the Queue and then saved can be loaded later on the Control and also on the iPad and iPhone clients.

The playlist functions are very powerful and allow, e.g., a playlist to be loaded, modified and re-saved.

## Editing Album Metadata

The system stores metadata for each album which is normally downloaded from the Sooloos Metadata Service and contains a variety of information, including track titles, artist credits, genres, record label, review, rating, and so forth. You can modify that data or enter your own using either the Touch client ( e.g. Control 15) or in Control:PC/MAC.

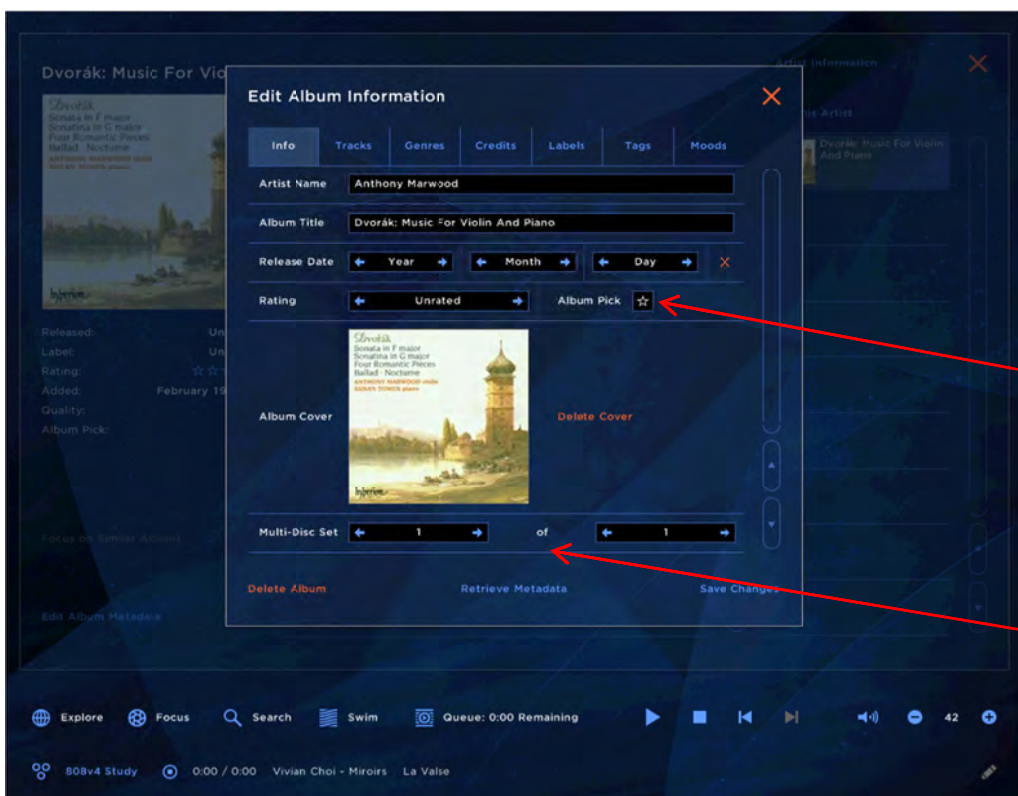
## Editing on the Touch Control



To edit metadata for an album we start with the **Album Detail** page.

Press **Edit Album Metadata**

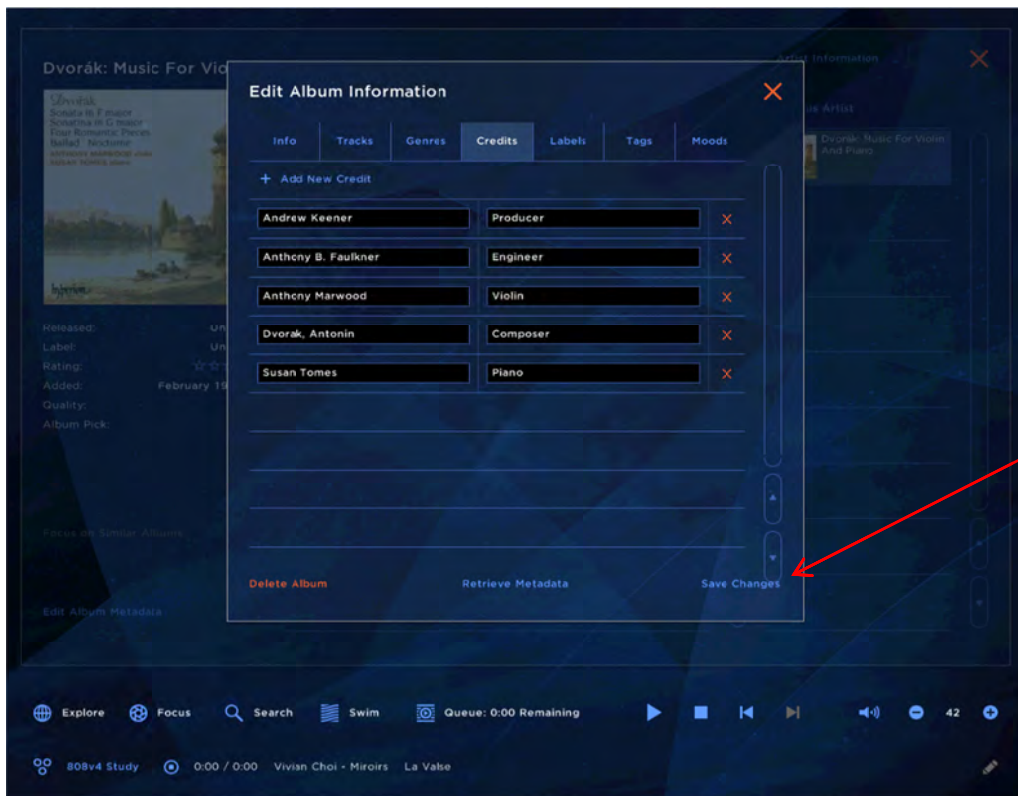
The **Edit Album Information** screen appears.



Here we can modify text strings in any of the information tab areas: **Info, Tracks, Genres, Credits, Labels, Tags and Moods**.

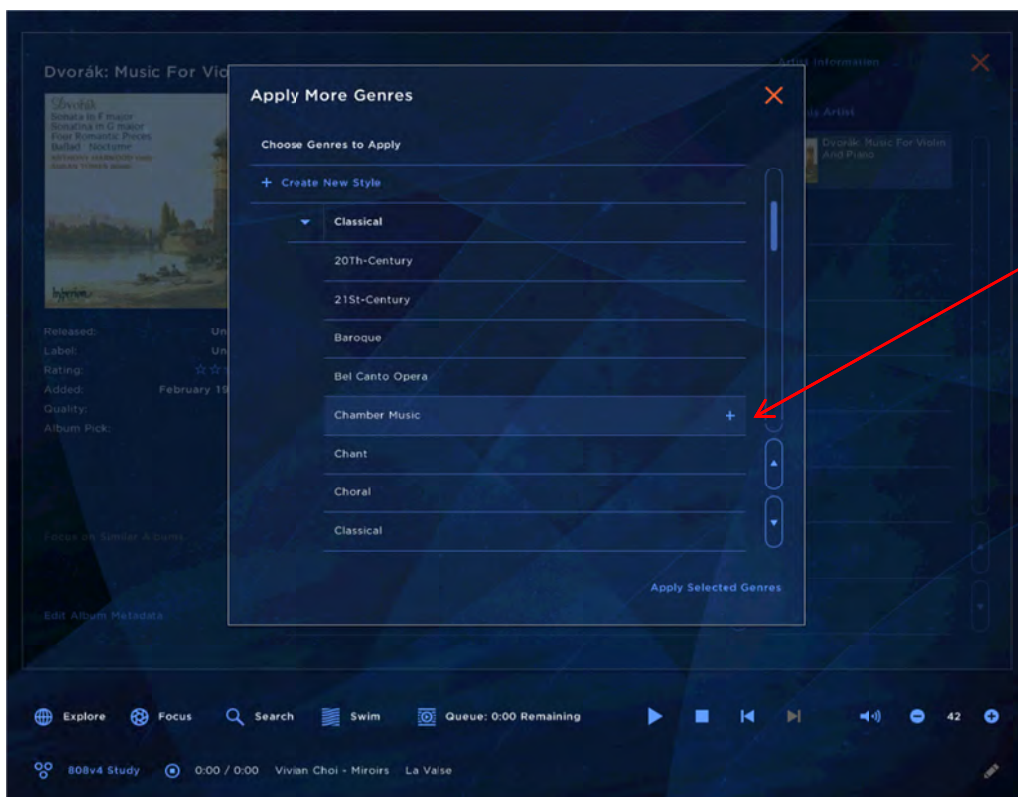
Here we can mark the album as a favourite 'Pick' or as a 'Skip'.

We can also adjust the album's number in a set (Tip: adjust the number in the set first)..



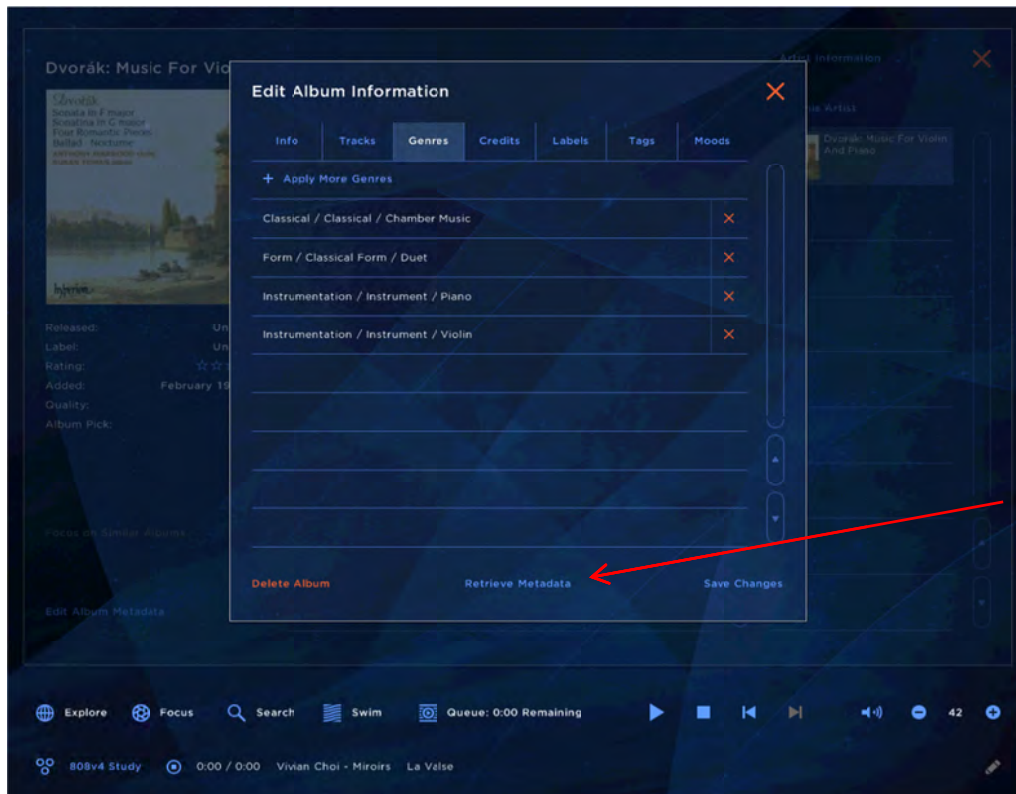
Here we can see the editing fields to add or remove Credits.

After edits we need to remember to press **Save Changes** in the bottom right.



And here we can see how to add or remove **Genres**. In this case we tap 'Chamber Music' and the **+** means it will be added when we press **Apply Selected Changes**.

Tapping Chamber Music a second time turns the select bar red and the **+** to **-** and the Genre will be removed.



Here we can review the Genres applied to this album.

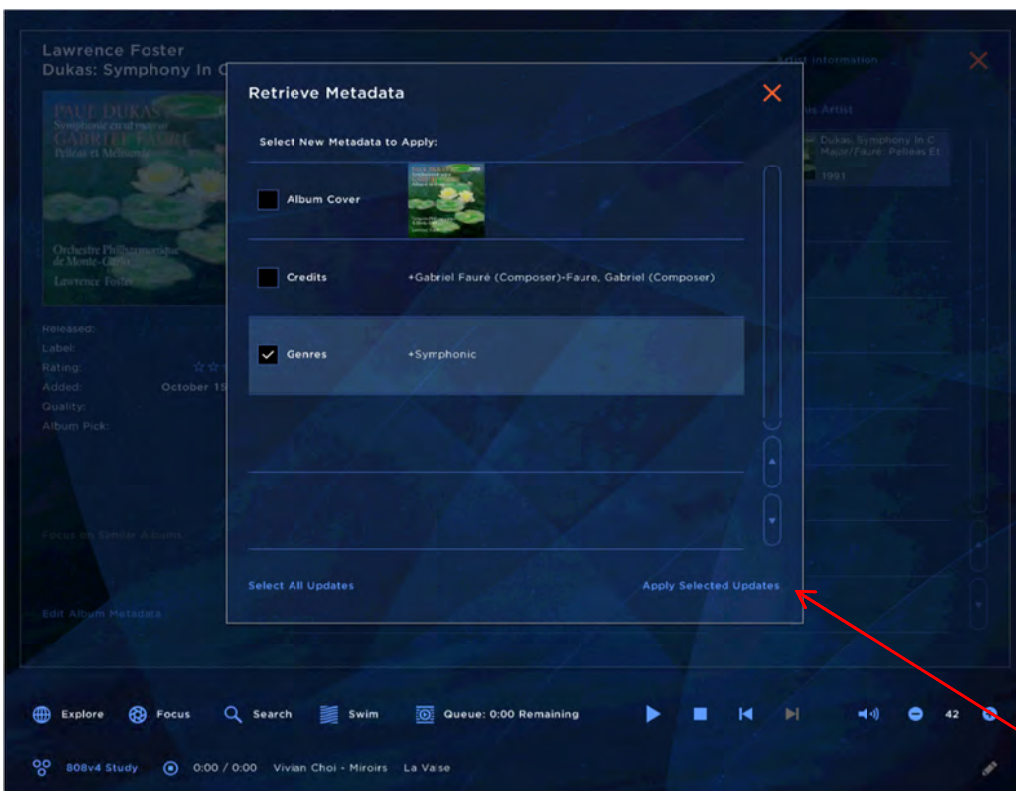
At any stage in the **Edit Album Metadata** process we can see if the online metadata service has more up-to-date information.

Press **Retrieve Metadata** and, if there is any new, we might see a screen like the one below.

The metadata service is offering a different cover, it wants to change 'Faure, Gabriel' to 'Gabriel Faure' and it wants to add the genre: 'Symphonic'

Because we had previously hand-selected our cover art and because we have, through preference decided to show composers as 'Last, First', we are only picking the offered Genre change.

Complete the update by pressing **Apply Selected Updates**.



**Note:** Sooloos does NOT have an 'undo' feature. If you make an error then it needs to be corrected. Should you accidentally delete an album then you must restore it from a backup or re-import it.

## Editing Metadata in Control PC/MAC

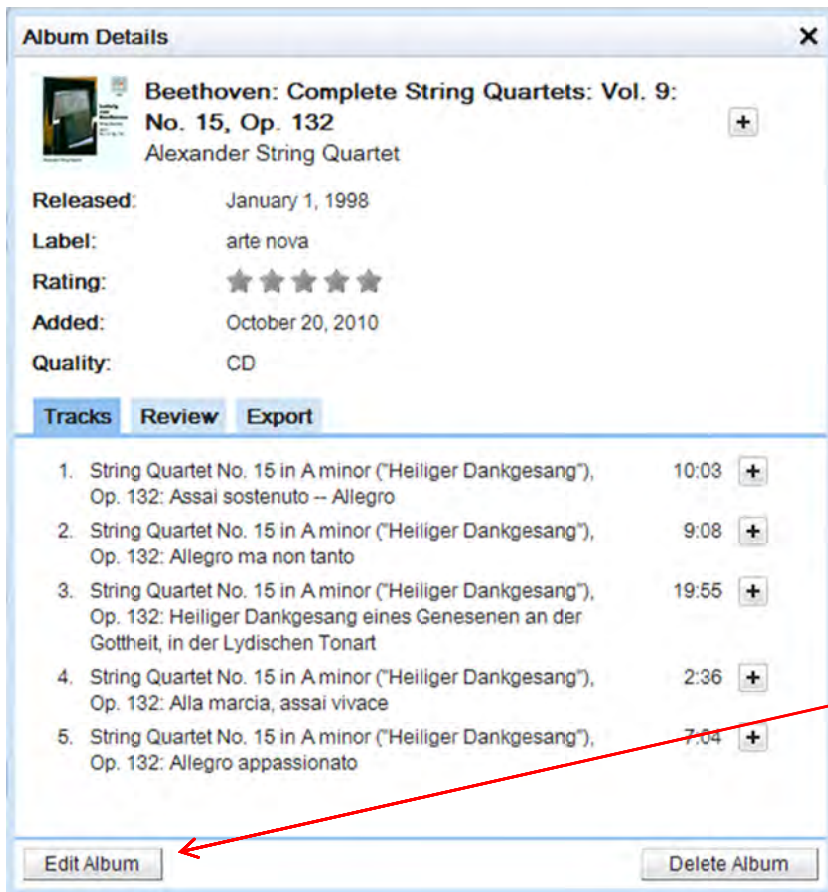
The edit-metadata function launches from the Album Details window.

To find the album Click the **Play** tab in Control:PC/MAC to enter the music manager and use either Search or Explore in the browsing pane at the bottom of the screen to locate the album you want to work on.



If you have explored to the album, click the **+** button to the right of the album name and choose **Show Album Details** in the pop-up window to bring up the Album Details window.

If you are using Search then click on an album result and choose **Show Album Details** in the pop-up window.



Here we can see basic album information including **Tracks** and a **Review**. We can also set up an **Export** of tracks from this album to a previously defined Export destination (to do this see the main **Export** tab).

To change anything, press **Edit Album** on the lower left and wait for the system to retrieve the album information.

Here we can see the **Edit Album Information** screen.

The album's metadata is organized into eight sub-pages, selected by clicking the tabs along the top.

**Info:** You may type new information into the available fields, but a number of items work distinctively:

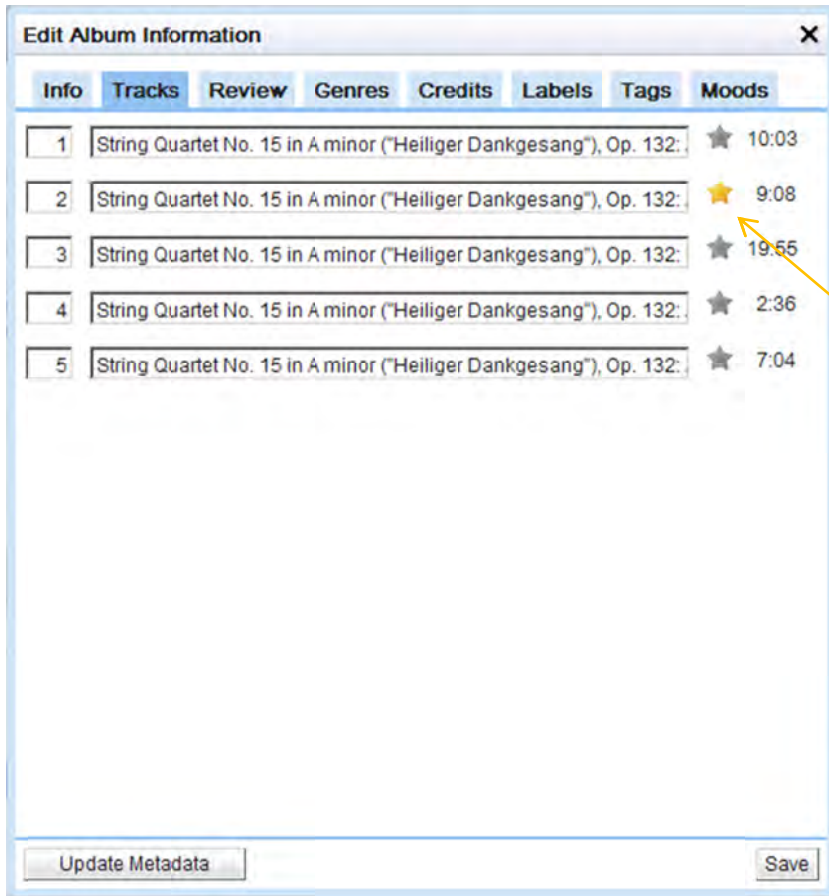
**Album Pick.** A gold star to the right of the album name field indicates an Album Pick — a favourite album that will be included in Focuses or Swims specifying Album Picks only. An X indicates an album that will not normally be included unless it is specifically selected. A dark star represents a middle ground — an album that is singled out neither for inclusion or rejection. You can change this rating by clicking on the star or X to toggle through the three options.

**Rating.** Click the + or – button at either end to adjust the album rating in half-star increments from 0 to 5.

**Multi-Disc Set.** Important for keeping track of the contents of the individual discs in a multi-disc set, the second disc of a three-disc set would be listed as '2 of 3', for example

**Cover.** You can delete the existing cover image by clicking the Clear Cover button. And you can replace it by dragging or copying an image from your hard drive or Web browser into the space.

*Important Note: All changes are provisional until you click the **Save** button at the bottom of the window. If you close the window (by tapping the X in the upper right-hand corner of the window) without clicking Save, your edits will be lost.*



**Tracks:** Here we can rename or renumber tracks on the album.<sup>4</sup>

The system will attempt to represent **Works** by discovering common text in adjacent tracks.<sup>5</sup>

**Track Pick:** To change a Track Pick rating, click on the symbol to the far right to toggle through the three options: gold star (a favourite track that will be included in a playlist when you choose Track Picks only), **X** (a track that will be excluded unless specifically chosen), or dark star (a track that will be included when no restrictions are applied).

**Review:** This is a freeform text field that you can edit or rewrite.

**Genres, Credits, and Moods:** The information in these tabs is important for the Sooloos Focus feature, which enables you to narrow the selection of music to be browsed or played according to particular characteristics.

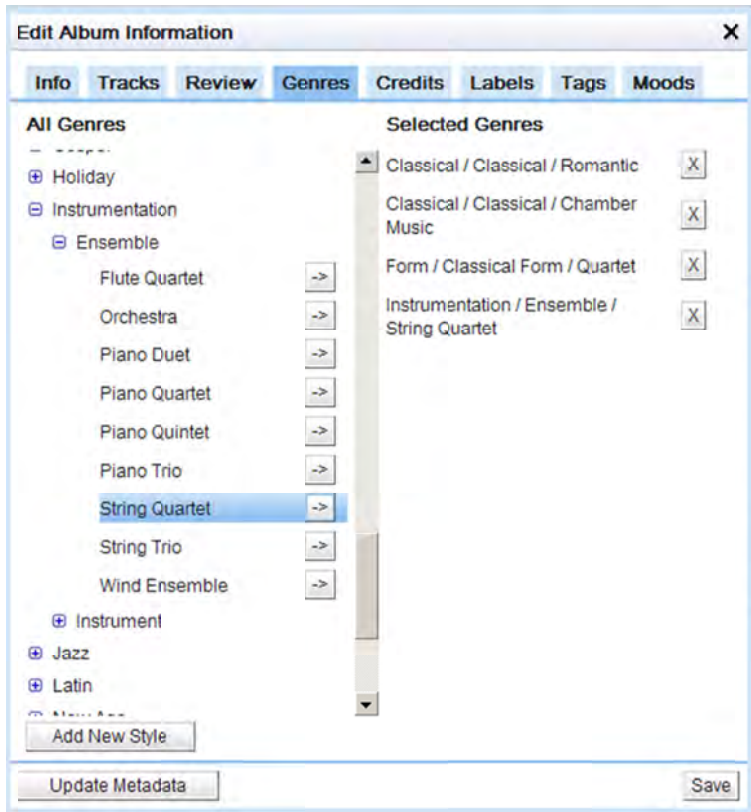
**Tags:** A tag is a free-form descriptor that helps you to keep track of albums. For example, you might tag an album to say that: it is fully groomed, or needs a better cover, is high-resolution, is suitable for a party, was downloaded, etc. Tags are also useful for setting up partial Backups or Exports. There is no sensible limit to the number of tags you can apply.

*All changes are provisional until you click the **Save** button at the bottom of the window to make them permanent. Tapping the **X** in the upper right corner closes the window and cancels any unsaved changes.*

<sup>4</sup> The formatting of track names can be important if the content is to be controlled using a portable control or if it is exported to another media player, e.g. an iPod. For example, in the above example, the user might prefer each track name to be preceded by the composer, **Beethoven:** String .....

<sup>5</sup> Works are represented by an algorithm which identifies common text between adjacent tracks. Very occasionally this may give unexpected or awkward results. One example of untidy behaviour may be if an album has several works by the same composer and the tracks are formatted with a leading composer name, e.g. 'Beethoven: work 1 detail: some movements', followed by: 'Beethoven: work 2 detail: some movements'. In this case the system may decide that the 'work' is 'Beethoven'. To avoid this make sure that there is at least one Classical Genre (e.g. Classical/Classical/Chamber Music) and that Beethoven is listed in the Credits.

In exceptional circumstances we may want to manually force the 'work' break point. Adding an '@' character to each track of the work will force a break at that point (the @ is not displayed).



In the Genre tab we can add or remove genres.

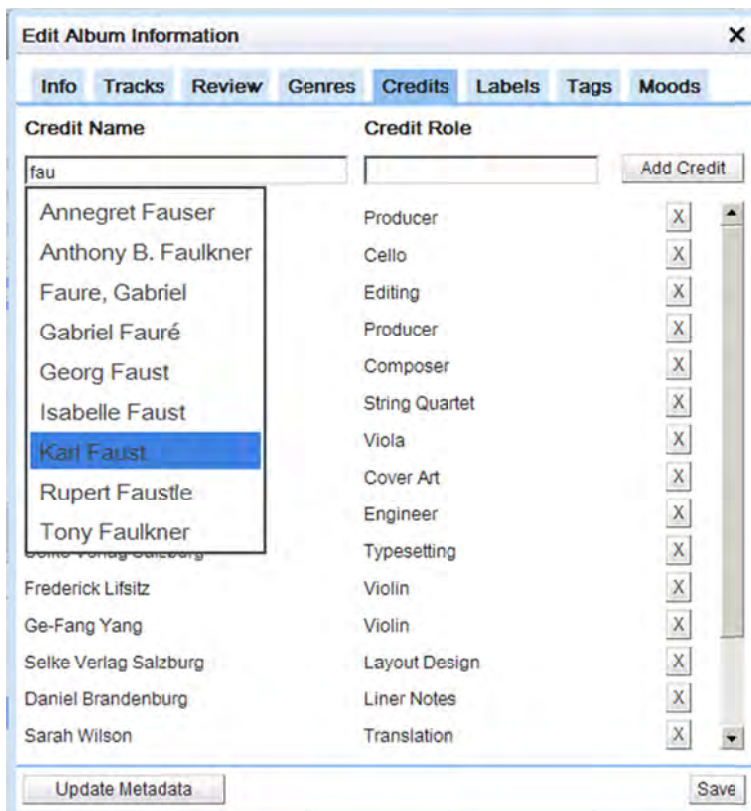
Here we can see the process of adding 'String Quartet' as an **Instrumentation** descriptor.

The better the genre descriptions, the more powerful Focus will be at finding what we want.

The system comes pre-programmed with a rich set of choices for Genre / Sub-genre / Style.

More Styles can be added to an existing Sub-genre using the **Add New Style** button.

It is not possible to add new Sub-genres.



Good Credits yield powerful Search and Focus results. Often the credits will be populated by the metadata service, but inevitably some albums will not have complete credits.

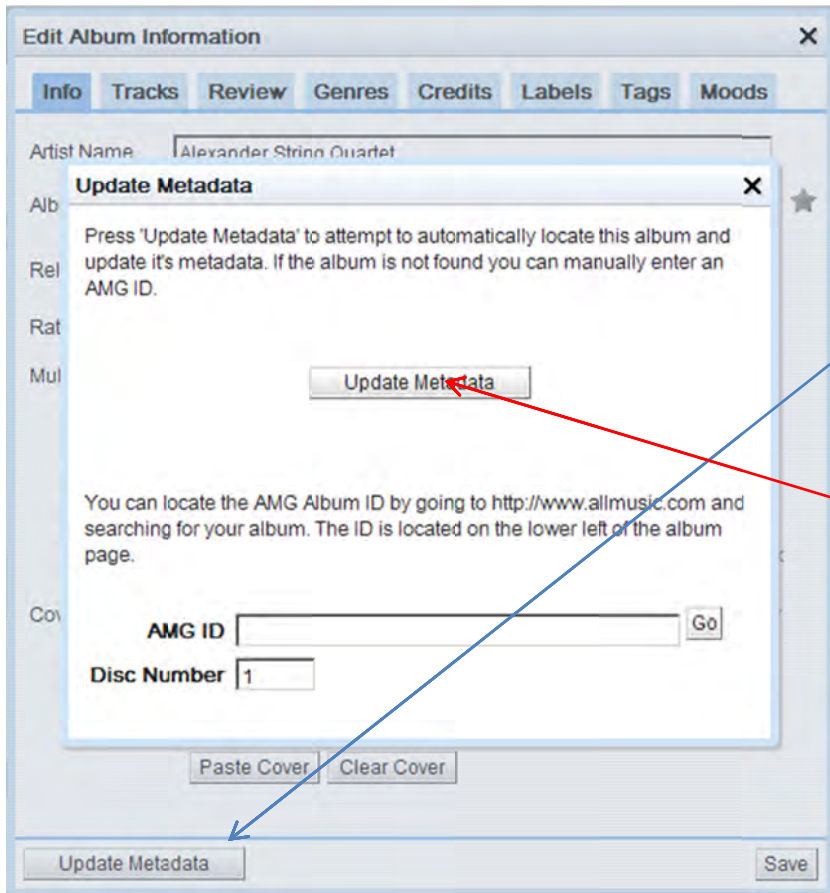
To add; type in the **Credit Name** box. As you type the system will suggest a list of names or roles already in the Library. If the name is there then select it because that way we maintain consistency and identity.<sup>6</sup>

Next type/ pick a **Credit Role** for the person and, finally press the **Add Credit** button.

Credits cannot be edited. You may only add or remove. To remove a credit, press the **X** to its right.

All changes are provisional until you click the **Save** button at the bottom of the window.

<sup>6</sup> We offer several dummy albums for download which are pre-loaded with common credits, e.g. composers in various representations, several Genre Styles and some useful Tags. Loading one of these dummy albums at the outset can simplify editing because it pre-populates the Library with data points. The dummy albums can be deleted later.



You might suspect that the metadata service has more information on an album. Alternatively we may find that a better 'recognition hit' happens if the **Artist Name** or **Album Name** field has been corrected.

Press **Update Metadata**. We see the pop-up window on the left. Here there are two options:

- **Update Metadata** forces a new lookup.<sup>7</sup>
- You may think that All Music Guide (AMG) has in fact got more information than has so far been discovered. In which case it may be possible to browse to the correct album on [www.allmusic.com](http://www.allmusic.com) and to copy and paste the AMG ID. Press **Go** and hope!

<sup>7</sup> **Warning:** Be aware that unlike in the Touch control, there is no opportunity to review changes from the metadata service and this process has no undo.

## Bulk Data Editing on the Touch Control

In recent software versions we have added some 'power tools' that can radically speed up grooming or customising a collection. These tools are essentially in two groups: 'bulk editing' and 'forensic focus'.

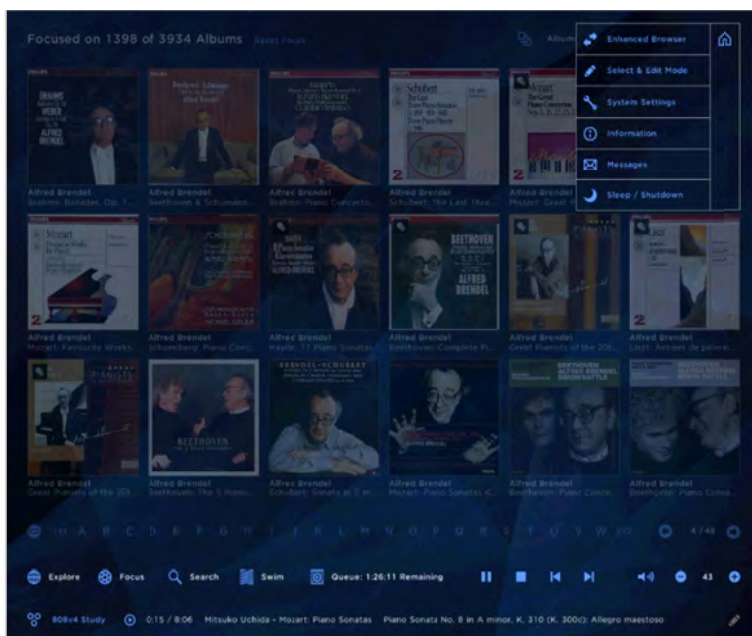
**Warning:** This section describes 'power tools' which, if used incorrectly can wreak havoc. There is **NO UNDO**. We strongly advise you to have a good backup ready, just in case!

## Select and Edit Mode



The Touchscreen has two viewing modes, **Enhanced Browser** shown left.


This places **Focus** at the top of the screen and has fewer buttons)



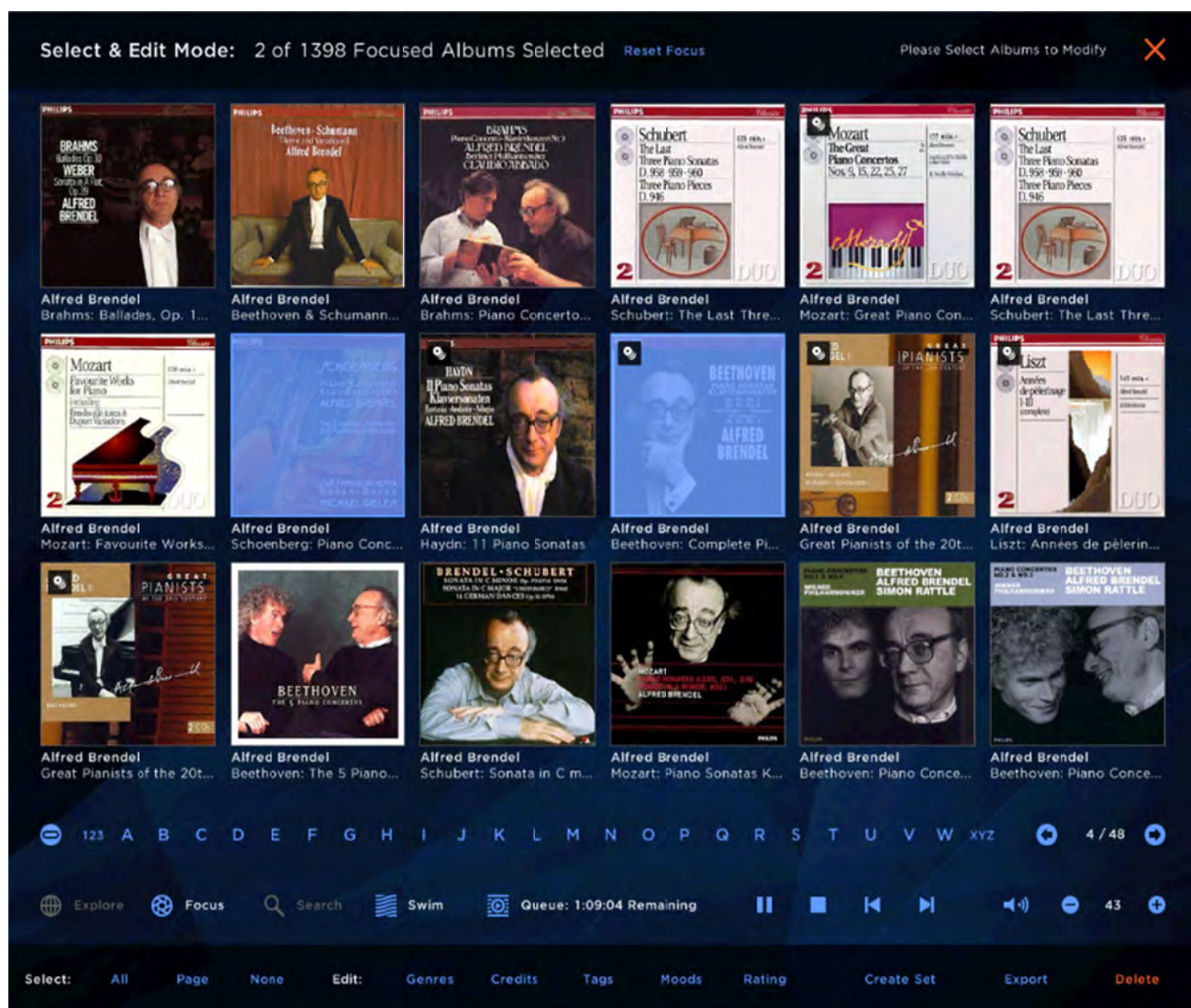
This is **Standard Browser**

Switch between the two using the top-right **Home** menu.

To be most useful we recommend that **Select and Edit** be used in **Standard Browser** mode.

To enter Select and Edit mode Press the  (pencil) symbol.

If you can't see the pencil then probably Editing is turned off in Home /System Settings /Security



Above we see **Select and Edit Mode**. Two active areas have appeared on the top and bottom of the screen but we still have access to the transport, volume and other navigation controls. At the top we have an **X** to exit this mode and we can see a summary of the number selected from the current Focus. At the bottom we have a number of new buttons:

**Select:** In this mode Albums can be selected by touching them (see the two examples above). If a set is selected then all the albums in that set are selected for action. We also have buttons to select **All** albums in the library; **Page** to select all the albums we can see. While selecting we can browse to other pages using the alpha navigation or forward **➡**/back keys **⬅** and select more albums. Always be aware of how many albums are selected before performing an edit. **None** de-selects all albums.

**Edit:** We can choose to edit **Genres**, **Credits**, **Tags**, or **Moods** for the selected albums.

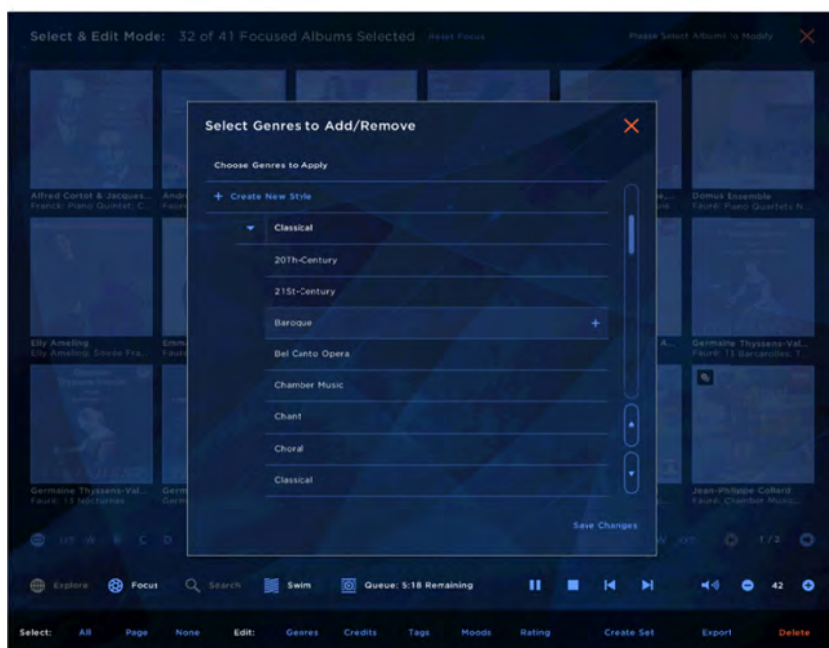
**Create Set** will group the selected albums into a 'set' (see page 5).

**Export** allows us to add the selected albums to an Export destination.

**Delete** The Delete key will perform (after a warning) a non-recoverable delete of all selected Albums. This is a powerful feature but you need to use it with care; stay alert!

In Select and Edit Mode we can add and/or remove **Genres**, **Credits**, **Tags**, and **Moods**.

### Add/Remove Genre



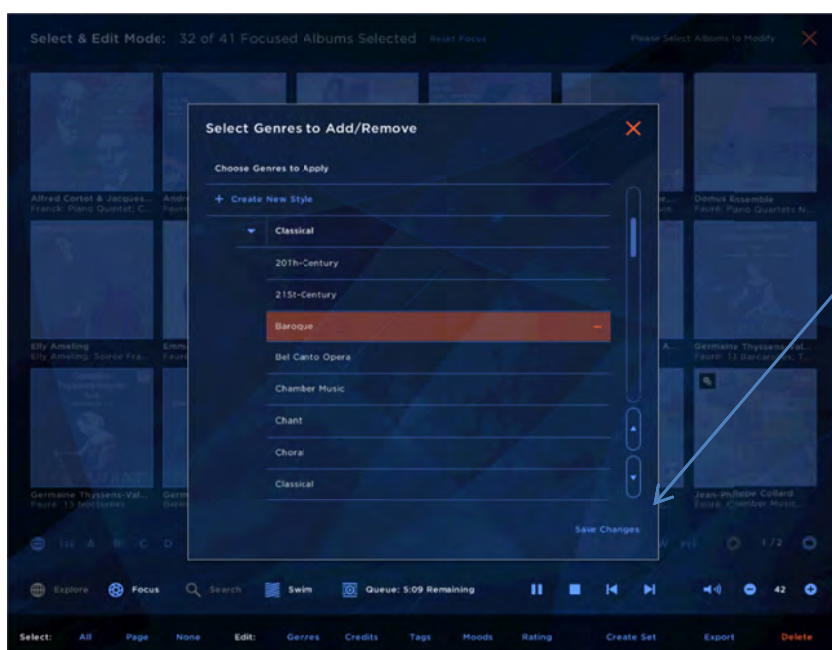
Here we show the dialog screen for Add/Remove Genres.

To add Classical/Classical/Baroque to the 32 selected albums pick it.

Pressing Baroque once shows the blue highlight and + indicating this genre will be added.

If we press it again the select bar changes to a red highlight and - (see below) and the Genre would be removed.

Pressing a third time de-selects the Genre.



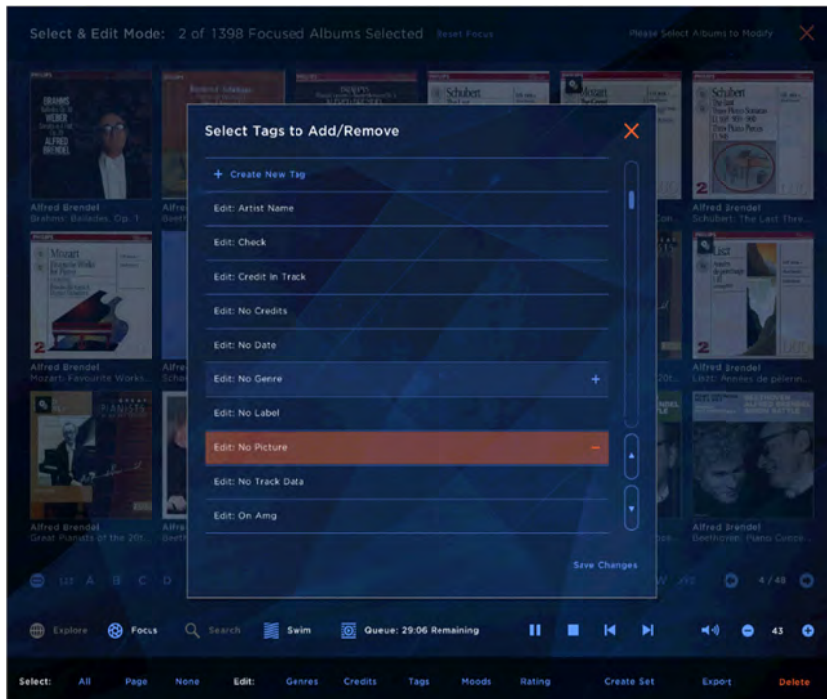
Multiple Genres can be added or removed in one operation.

Complete the edit with **Save Changes**.

**Note:** Sooloos has a large number of Genres built in but there is room for customisation. Please see the sections on *Finer Points of Focus* (page 40) and *The Elements of Metadata* (page 44).

**Note:** We might use this feature to speed up grooming of a collection. For example we might Focus on Handel as Composer and reasonably add the genre 'Baroque'.

**Important Note:** Add/remove is NOT search & replace! If we want to remove a field from any of the selected albums it will be done for those that contain it, however a simultaneous addition will appear on *all selected albums*. Remember also there is no 'undo' function in editing.

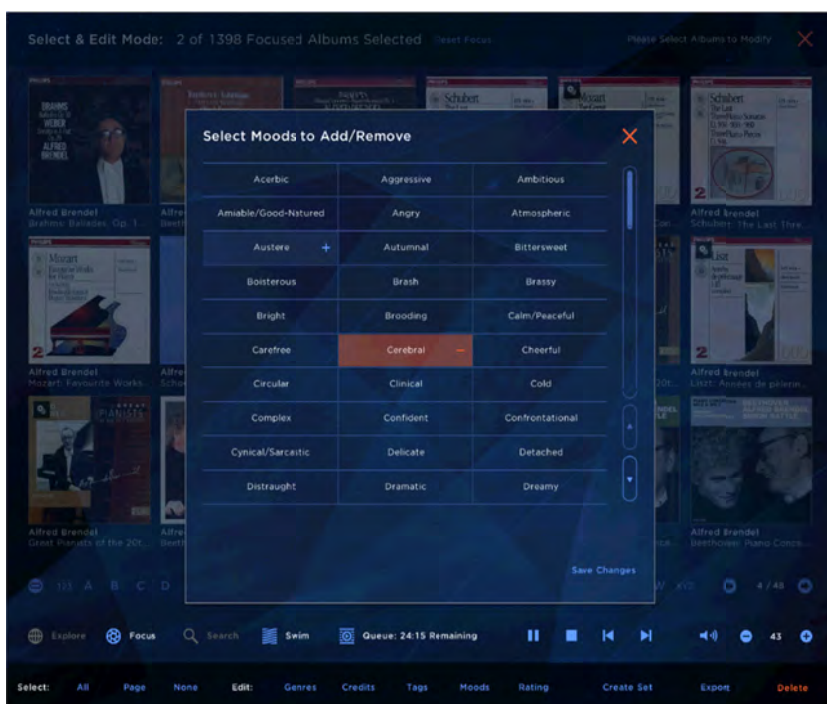


**Add/Remove Tags** operates in a similar way to **Genres**.

On the left we can see setting up to add the Tag 'Edit: No Genre' and to remove the Tag 'Edit: No Picture' from the selected albums.

Make the changes permanent by pressing **Save Changes**.

Be aware that if we make edits to a large number of albums it may take a few minutes for the changes to be fully effective.

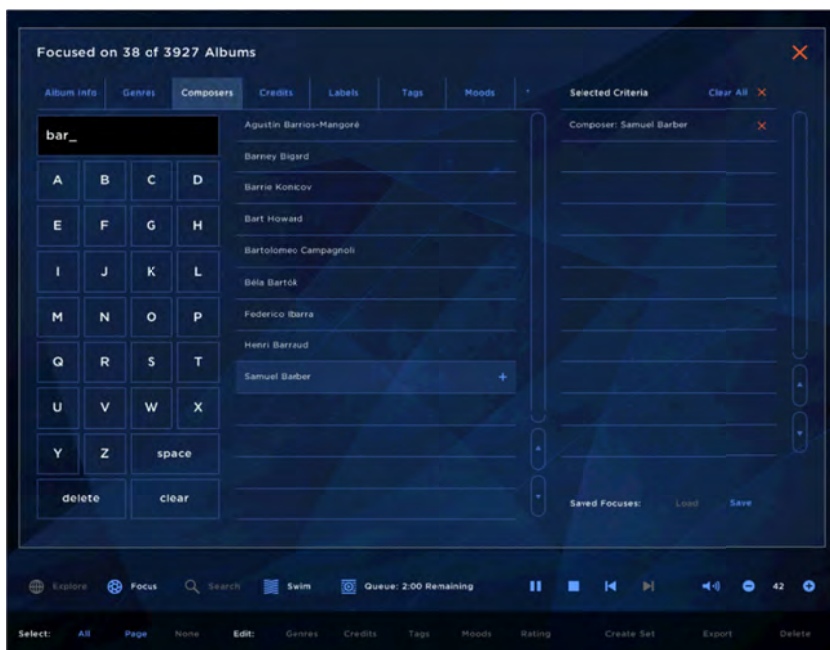


**Add/Remove Moods** works in a similar fashion.

Here we can see adding Austere while removing Cerebral.

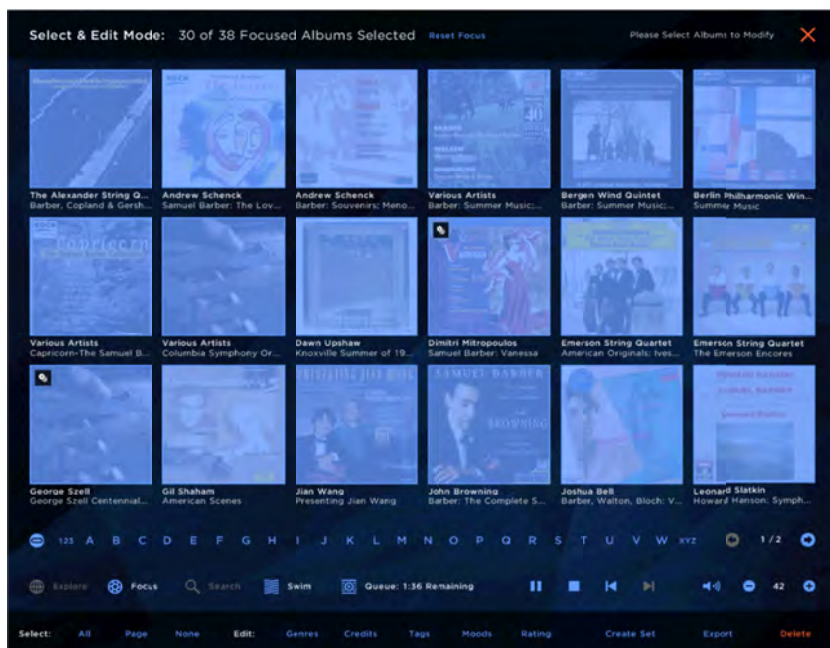
A very useful feature of Select and Edit mode is the ability to modify Credits in multiple albums.

The following screens take us through a worked example to change the Composer Credit for 'Samuel Barber' to 'Barber, Samuel'. (We might want to do this so that we find him under 'B' in the browser on the iPad).



To start we Focus the entire collection to show only those albums with the **Samuel Barber** Credit.

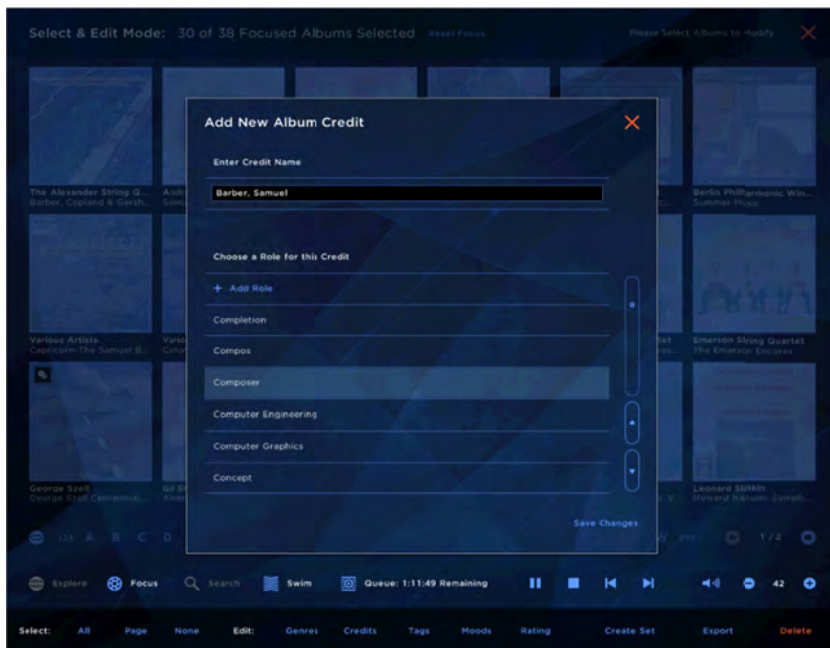
Notice we found him by just typing 'bar' and then selecting from the list.



After pressing **Select All** the Select and Edit browser window now looks like this.

Note that although Focus showed us there are 38 albums with this Credit, the window on the left only shows 30, this is because some of the albums are formed into sets.

**Important Note:** Add/remove is NOT search & replace. If we want to remove a Credit from any of the selected albums it will be done for those which contain it; however a simultaneous Credit *addition* will appear on *all selected albums*. Remember also there is no 'undo' function in editing.

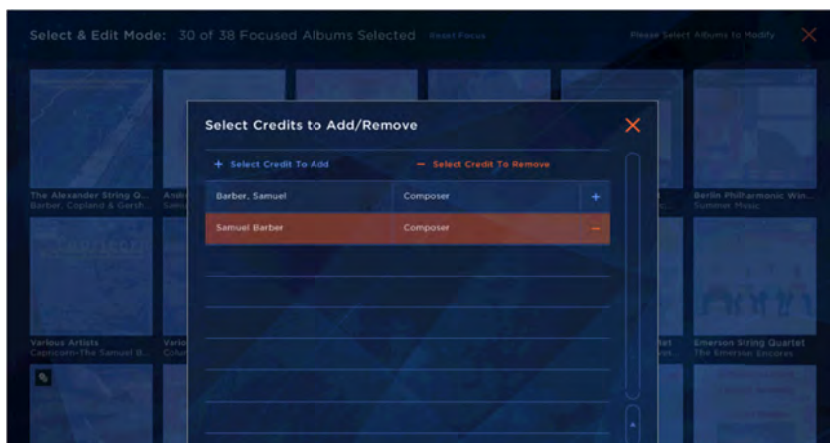


Press the bottom **Credits** button and we get a new **Select Credits to Add/Remove** dialog.

Pressing **Select Credit to Add** gives us this familiar window on the left.

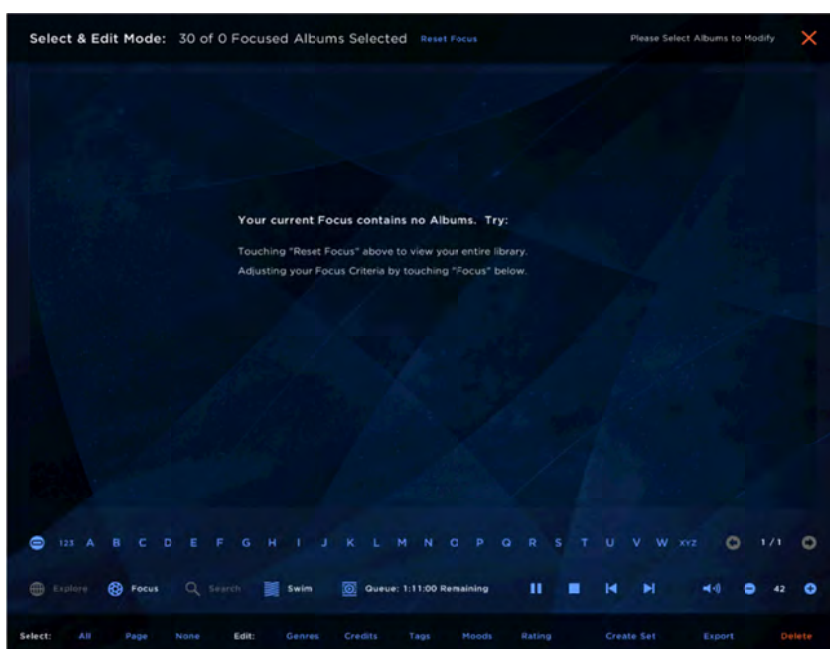
Here we have picked 'Barber, Samuel' and selected his role as Composer.

Press **Save Changes** and we step back to the **Select Credits to Add/Remove** screen shown below.



We can now pick the Credit to remove and the screen looks like this after we have chosen 'Samuel Barber' and Composer.

If we now press **Save Changes** (up to this point no changes have been made) the edit will be completed for all the selected albums.



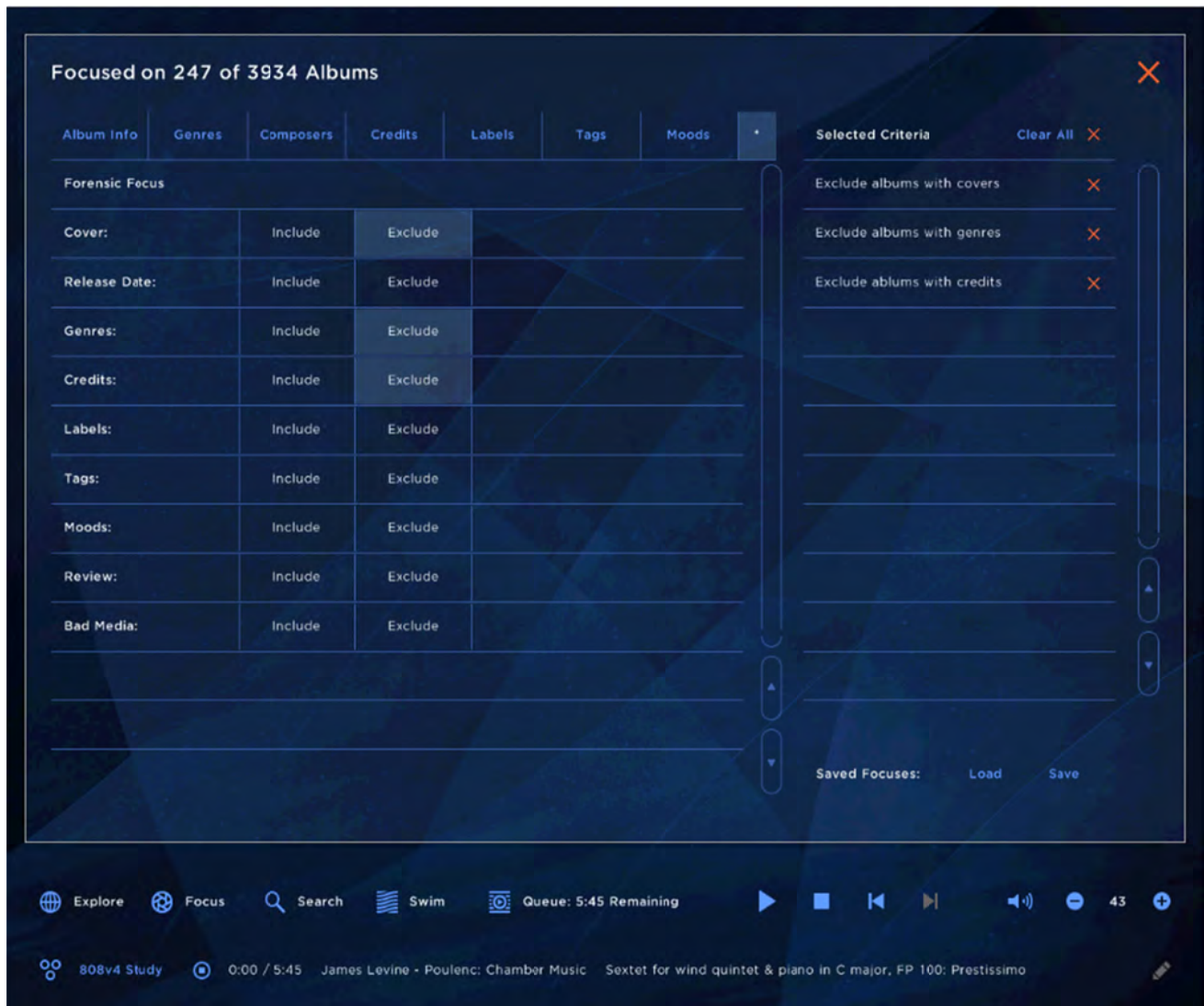
Notice that when this edit has been made, the current Focus no longer contains 'Samuel Barber' and so we end up with a blank screen.

You can confirm the edit by next making a Focus on 'Barber, Samuel'.

Bulk editing can also be used simply to add or remove Credits individually.

## Forensic Focus

Generally when a large or specialised collection is imported into Sooloos there will be a percentage of Albums for which the metadata is not complete. The Forensic Focus allows us to immediately identify albums with/without certain data types. If the collection is to be optimised or groomed then this feature enables a systematic workflow.



The screen above shows the Forensic Focus dialogue (which is accessed by pressing the right-most Focus Tab marked \*). We can use this to isolate those albums in the library with or without metadata types, such as cover art, release date, genres, credits, labels, tags, moods, review and also to identify media which the background checking processes feels is suspicious (and may therefore need re-importing).

In the example above we can see that there are 247 albums with no cover, genre or credit information. With this Focus we can now Tag the albums in **Select and Edit Mode** and start working.

## Some Finer Points of Focus

Focus is a very powerful function and this section delves deeper to help you get the most out of it. As we described on page 16 the Focus screen has eight major sections (tabs): Album info, Genres, Composers, Credits, Labels, Tags, Moods and \* (Forensics).

### Album Info

The Album Info tab groups four different types of information:

- Most Played (which looks at play count – a dynamic counter based on use).<sup>8</sup>
- Date-related: Last played, Added and Release Date.
- Quality.
- Ratings, Picks and Skips.

### Focus Logic

If we focus on any single criterion then the operation is fairly self-evident. For example, we can make a single focus on albums:

- recorded in 'High Resolution' or 'Content added in the last 3 Months' (Album Detail)
- containing music of the Romantic Era (Genre/Genre)
- featuring an instrument, e.g. 'Viola' (Genre/Instrumentation)
- containing a particular Form, e.g. 'Sonata' (Genre/Form)
- with works composed by Beethoven (Composer)
- featuring a particular artist, conductor, accompanist, e.g. Bryn Terfel, Claudio Abbado, etc (Credits)
- released by, e.g. ECM (Label)
- with a specific user tag.

Every criterion may also be negated, so the above examples could be 'exclude' rather than include. Useful for isolating hard-to identify groups, such as 'remind me what I have hadn't played in a year'.

### Include/Exclude Must/May have

So, what happens when we focus on more than one criterion? The way it works depends on what they are, but the system can form extremely tight focuses, e.g. 'show me albums containing works composed by Dvorak, of form string quartet, that I haven't played for 3 months but ignore the ECM label'.

We have tried to make the focus operation intuitive but there are some subtleties worth grasping. Focus uses two logic operations in combining two or more criteria:

- Logical OR: if we combine two criteria in this way we mean we want to see any containing A or B. For example if we Focus on two composers (such as Bach and Copland) the number in the result will be greater than focussing on either individually. OR logic expands the answer. In simple terms we are looking for items that *may include A or B*.
- Logical AND: This logic is used to show items that must contain all criteria. So if we Focus on Bach and Cantata the resulting number will normally be smaller than taking either criterion individually. AND logic narrows the answer. In simple terms we are looking for items that *must include A and B*.

<sup>8</sup> You may find that the number in focus is wrong. For example if you ask for the 100 most-played albums the number could be higher if some albums are included in sets.

The Sooloos system uses OR logic between same-type criteria but AND logic between different types. In this way picking a number of artists or genres will expand the focus, selecting a composer, genre and instrument will narrow it.

## Genre

The whole topic of music genres keeps musicologists very busy. In Sooloos we have recently split the Genres focus into three separate sub-tabs and this was done to logically treat the three genre classes separately and to improve one's ability to narrow (focus in on) a selection.

The Genres tab has three sub tabs:

- Genres: This Genre/Style set allows us to roughly group music into types, e.g. jazz, country, classical, folk and so on.
  - Within each top-level Genre there are Subgenres and Styles and Focus allows you to select any level (all of a top-level, all of a sub-genre or just one style).<sup>9</sup>
  - In the Classical Genre we include all music which may be popularly referred to as 'Classical', however the Style lists include era and types.<sup>10</sup>
- Form: Here we allow you to specify musical forms.<sup>11</sup>
- Instrumentation: This genre area allows us to flag or focus on ensembles or instrument types. For example we might just want to see oboe or guitar music or music for quartets.

Focus uses AND logic between these three sections and OR logic within each section. So adding more Forms will expand a focus, whereas looking for Forms with specific instrumentation will narrow the result. In Genres we can focus on queries such as: 'show me all romantic chamber music that includes bassoon'.

A list of the built-in Genre/Sub-genre/Style list is given in the appendix on page 62.

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<sup>9</sup> For example we could focus on just Jazz, or specify all Cool Jazz or even more granularly West Coast Jazz.

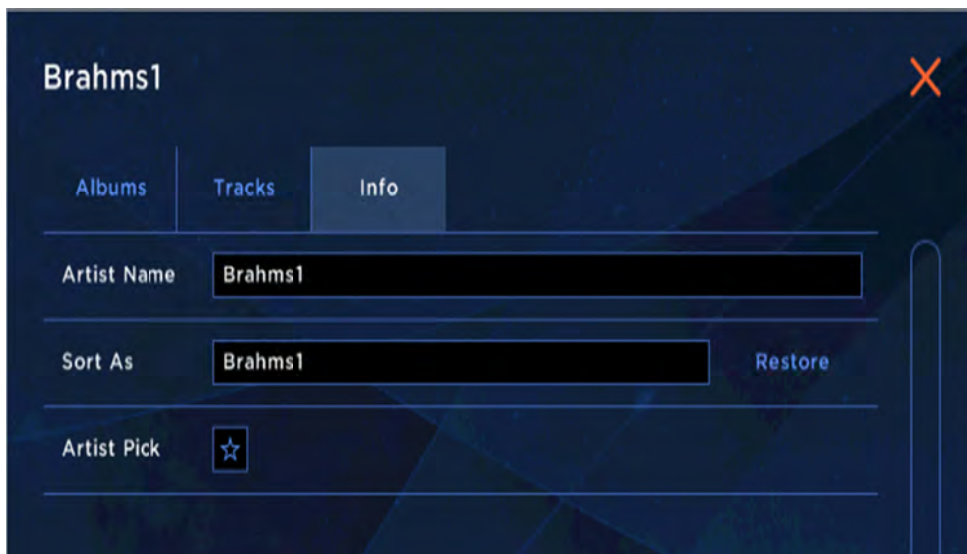
<sup>10</sup> Era includes Medieval, Baroque, Renaissance, Classical. Romantic, Modern, 20<sup>th</sup>-century, etc.

<sup>11</sup> Classical Forms include such types as cantata, concerto, fugue, sonata, etc.

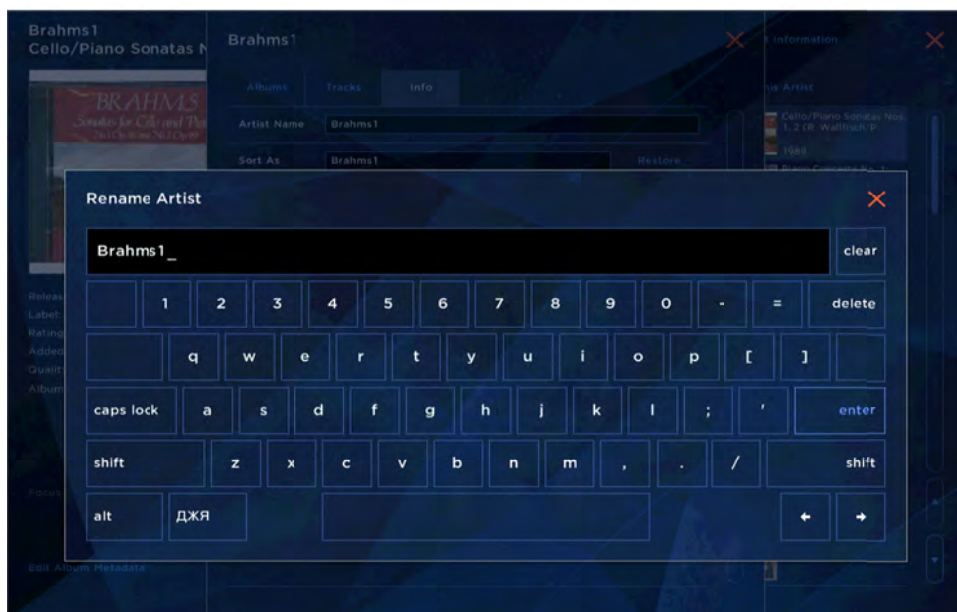
## Renaming Album Artist



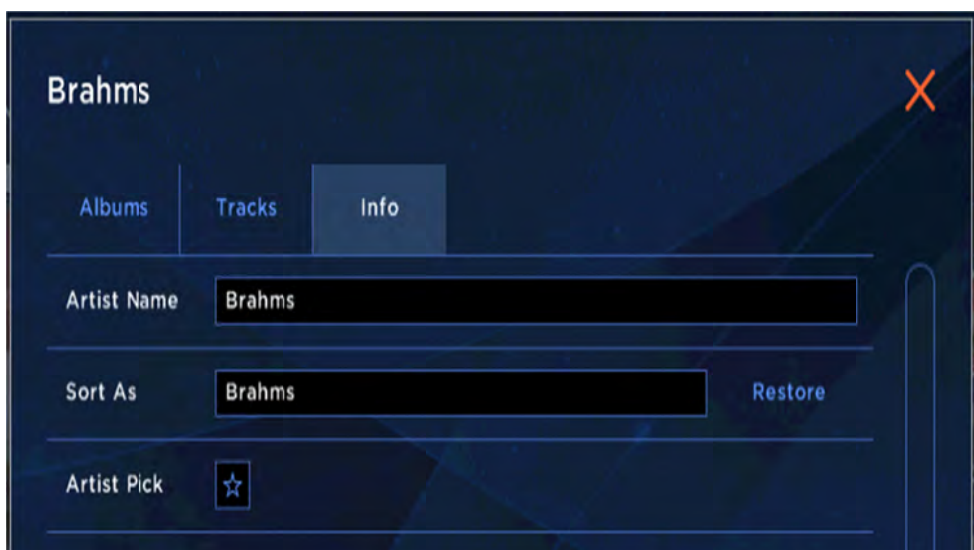
1. Touch an album by an Artist whose name you want to change.  
In this example the first of Brahms1 is selected.
2. At top right of screen press: **Artist Information**. We get the screen below:



3. Touch the top Artist Name text box; a keyboard comes up.



4. Press **'delete'** to remove the '1'
5. Press **Enter**
6. Close the Windows with top right **X** and back at the top level you will see all 'Brahms1' changed to 'Brahms'.



**Warning Note:** Do not use this feature to rename one of the special compilation artists: 'Various Artists' or 'Soundtrack'. If an album has been incorrectly catalogued as 'Various Artists' then it should be dealt with specifically by editing the Album.

**Caution Note:** The example given here, where a composer was used in the Album Artist field is somewhat eccentric and we don't generally recommend doing this. There are some exceptions, e.g. if the composer is also a performer or conductor.

## Appendix 1: The Elements of Metadata

### Useful sources of Metadata

Here are some very useful websites for researching covers, performers, composers and music and disc issues.

[www.allmusic.com](http://www.allmusic.com) has good depth of information on all genres of music. However its cover art tends to be limited to 250px and so some users will want to improve on this.

<http://www.discogs.com> has a good search engine and provides detailed discographies.

<http://www.arkivmusic.com/classical/main.jsp> has deep information on releases and you can browse by composer, conductor, performer, ensembles, labels and genre.

<http://www.amazon.com> (not just the USA site) is very useful for tracking down discs, release information and cover artwork. (Note, on Amazon, release date information can be unreliable).

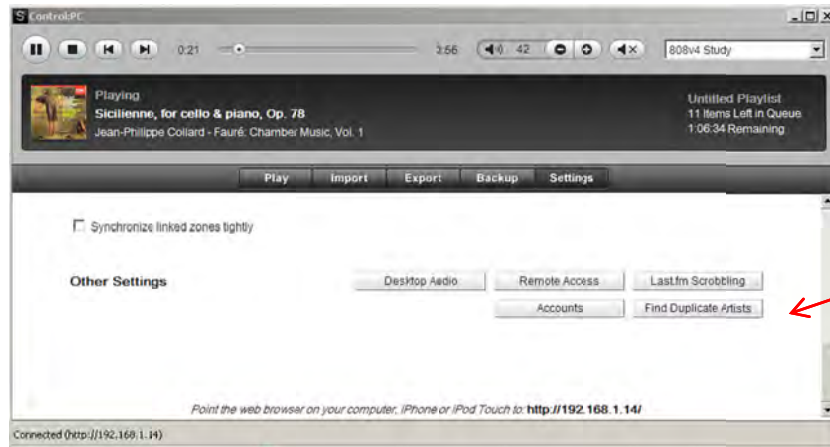
[www.google.com](http://www.google.com) may lead you to a recording and the image search is invaluable for cover art.

<http://www.tineye.com/> This reverse image search (and its neat browser plug-in) is superb for determining if an image you have discovered can be bettered on the internet. The Sooloos system improves its performance for artwork up to 1000px.

<http://en.wikipedia.org/> Wikipedia has an astonishing amount of biographical, historical, musicological and occasionally discographical information.

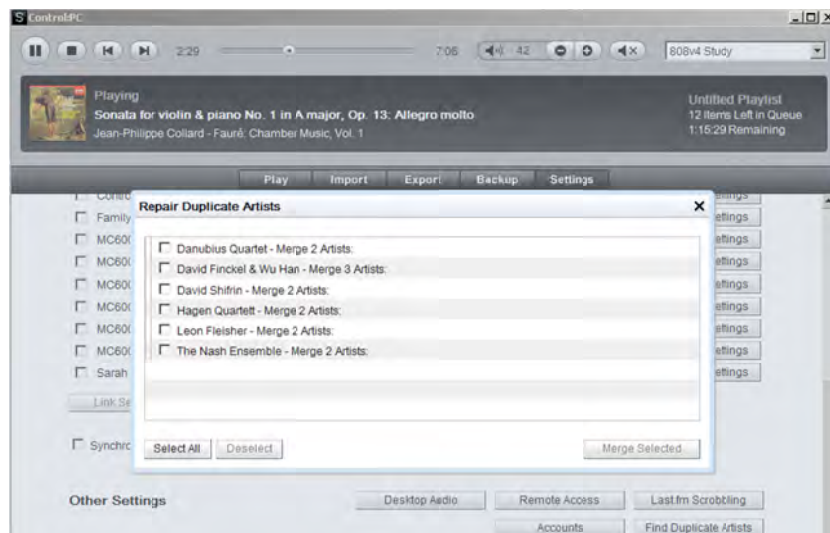
## Duplicate Album Artists

If a collection is built up over time and especially if it combines collections or CD rips with file imports then it is possible that some artists may appear to have multiple identities. Symptoms would include artists showing up twice in the Explorer or not seeing all albums by the artists listed in an Album View.



Duplicate Artists can be resolved using Control:PC.

At the bottom of the Settings window look for **Find Duplicate Artists** button.



If artists are duplicated we get a dialogue box like this and options to merge duplicated artists into single unique identities.

## Appendix 2: Managing a Collection



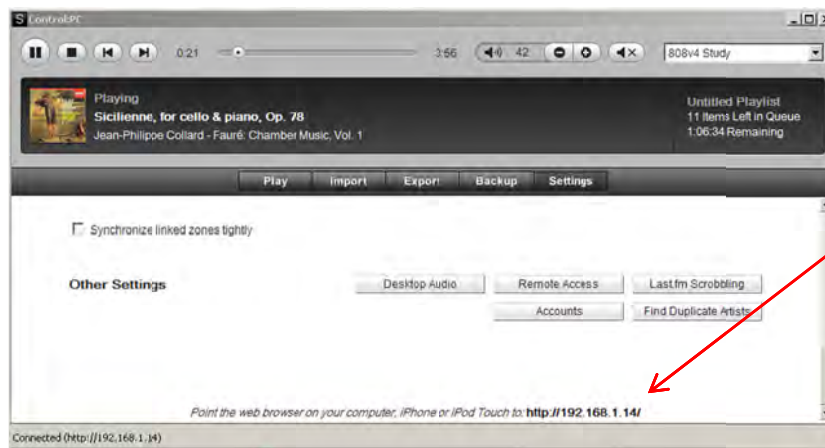
When building a collection it is useful to be able to keep an eye on the systems operating statistics.

On the left we see the Information screen which can be accessed from the Touchscreen Home menu.

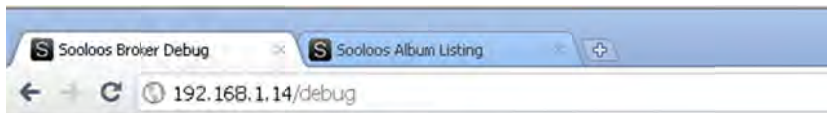
We can see the number of Artists, Albums and Tracks.

Also listed is the total storage seen by the server, how much is free, the software version number and the server (broker) IP address. (This is the address used by the mobile controllers iPad, iPhone etc).

You can also change the system's registration details.



If you do not have a Touchscreen the server's IP address can be found on the Settings tab in Control:PC.



## Sooloos Broker Debug

### Broker Information

System Version	2.309
Device Version	1323
Serial Number	7071bcdcea21
Current Time	02/27/2011 07:51:09
Process Start Time	02/25/2011 16:49:18
Uptime	1 days 15 hours 1 minutes 51 seconds
Virtual Memory Consumption	1281mb
Physical Memory Consumption	501mb
Artist Count	1096
Album Count	3934
Track Count	50009
HTTP Server	<a href="#">View Log</a>
Distributed Work System	<a href="#">View Status</a>
Album Listing	<a href="#">HTML</a> <a href="#">Text</a>
Notifications	<a href="#">View/Send Notifications</a>

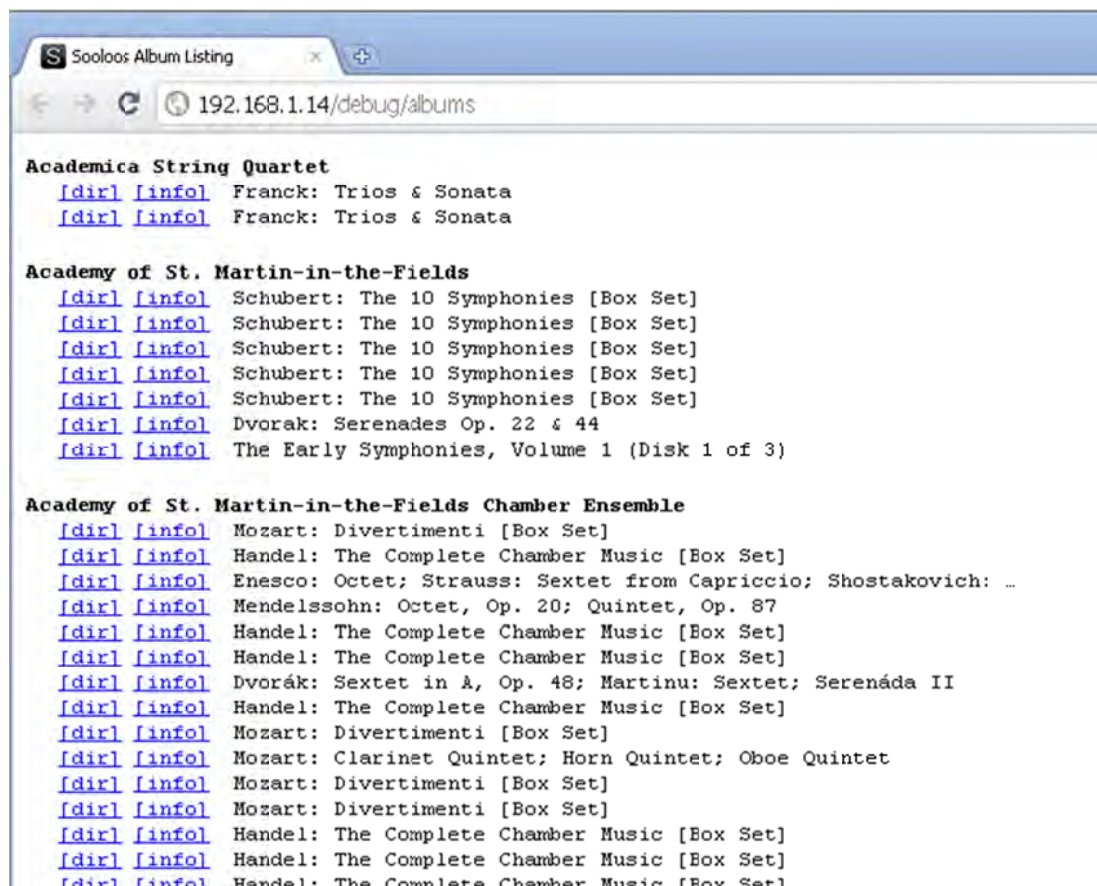
More detailed (maybe too much) information can be found by pointing a web browser to the debug information at <broker IP address>/debug.

In the example on the left we used the address: 192.168.1.14/debug.

This first screen shows artist, album and track counts.

If we click on Album Listing HTML then we can see a list of all the albums in the collection by artist.

It is handy to be able to print this out (see below).



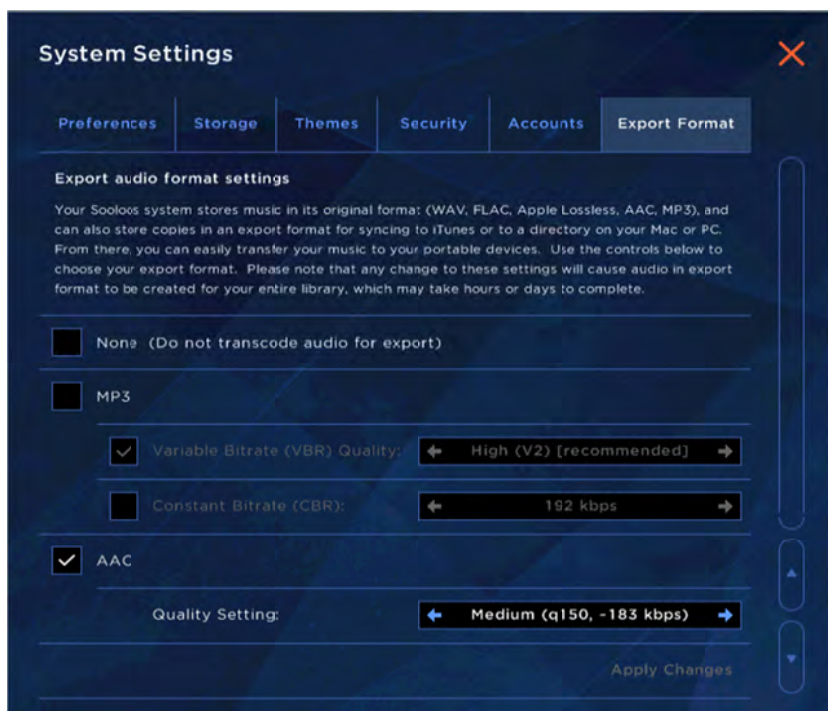
## Appendix 3: Storage

Sooloos systems currently provide a number of options for storage.

- MC200 and Control:15 provide approximately 500GB and have single drives built in.
- MC600 and Twinstore have dual 1TB or 2TB drives and these are normally configured as RAID 1, which means that each drive is a mirror copy of the other. Mirrored drives are helpful because at some point drives inevitably fail, it is often possible just to swap out the faulty drive whereupon the system will restore the mirror.
- Content will be shared across all the drives in the system.

The default format in which Sooloos stores the audio is FLAC which is a lossless codec that provides around 40% reduction in space usage (depending on sample rate, bit depth and genre) with zero loss of quality.

The system can also handle Apple Lossless, WAV and AIFF lossless formats. The lossless files will be exported in their native format and so it is sensible to plan ahead on future requirements for the content.



You can set up the system to automatically transcode an additional lossy format of all the music which can then be exported to a drive for use with other media players or iTunes.

Plan ahead here because the system will take some time to perform a transcode (typical conversions may be 10,000 – 20,000 songs in 24 hours).

## How much Storage?

The following table gives a guideline to sensible planning levels.

	500GB	1TB	2TB
<b>FLAC/ALAC lossless</b>	1,000 CDs	2,000 CDs	4,000 CDs
<b>AIFF/WAV</b>	600 CDs	1,250 CDs	2,500 CDs
<b>FLAC/ALAC + AAC/MP3</b>	800 CDs	1,600 CDs	3,200 CDs
<b>AIFF/WAV + AAC/MP3</b>	500 CDs	1,000 CDs	2,000 CDs

It is important not to allow the drives to become too full. The system needs space to keep log files, for housekeeping, transcoding and for storing playlists and saved focuses. We suggest that you consider adding storage if the system gets over 80% use.<sup>12</sup>

## Disks

Model	Serial	IP Address	Primary/Backup	Live Version	Staging Version	Storage (MB)	Free Space (MB)	Co
TwinStore	001f7b700636	192.168.1.7	Primary	309	309	1969009	665519	0

This can be monitored in the debug window shown earlier.

## Backup

It is essential to maintain a good backup and it is the user's responsibility to maintain its integrity. A valuable collection, with many hours invested in grooming deserves more than one backup and for at least one to be kept offsite.

Sooloos provides Backup and Restore functions in Control:PC. You can backup to computer drives, portable USB or NAS drives.

## Appendix 4: Using the iPhone, Touch and iPad Controls

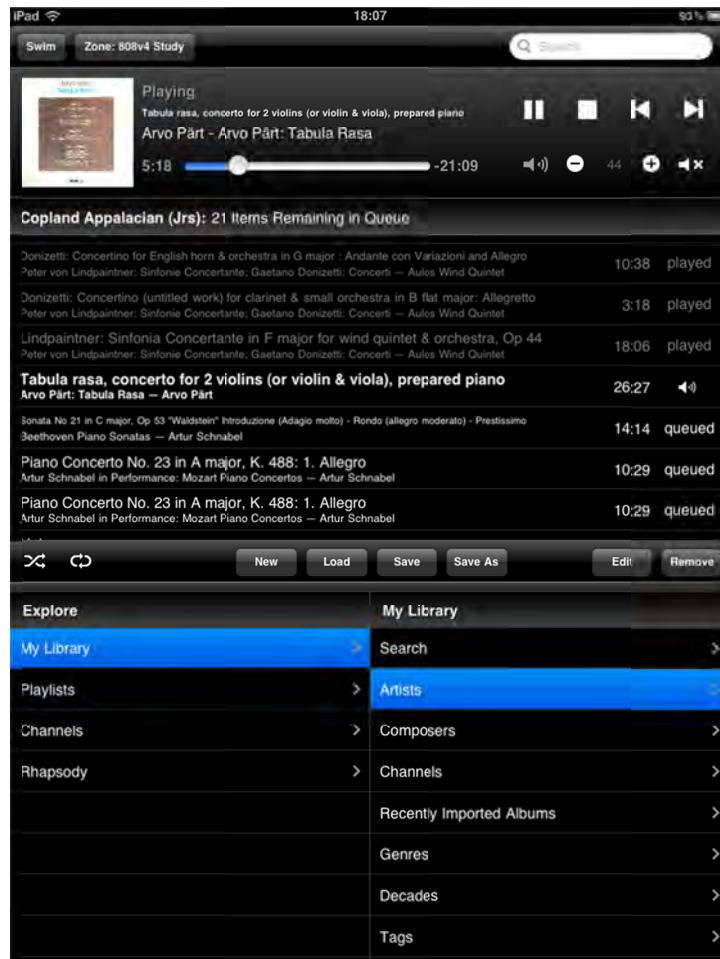
The Sooloos system can be controlled using the main Touch client, e.g. Control 15. However it can also be controlled using Control:PC/MAC and one if the three portable controllers.

This section illustrates by example how the portable control clients can be used to access and control library content. This section is particularly helpful if you are thinking through the finer points of preparing or grooming a collection in anticipation of using one of these devices.

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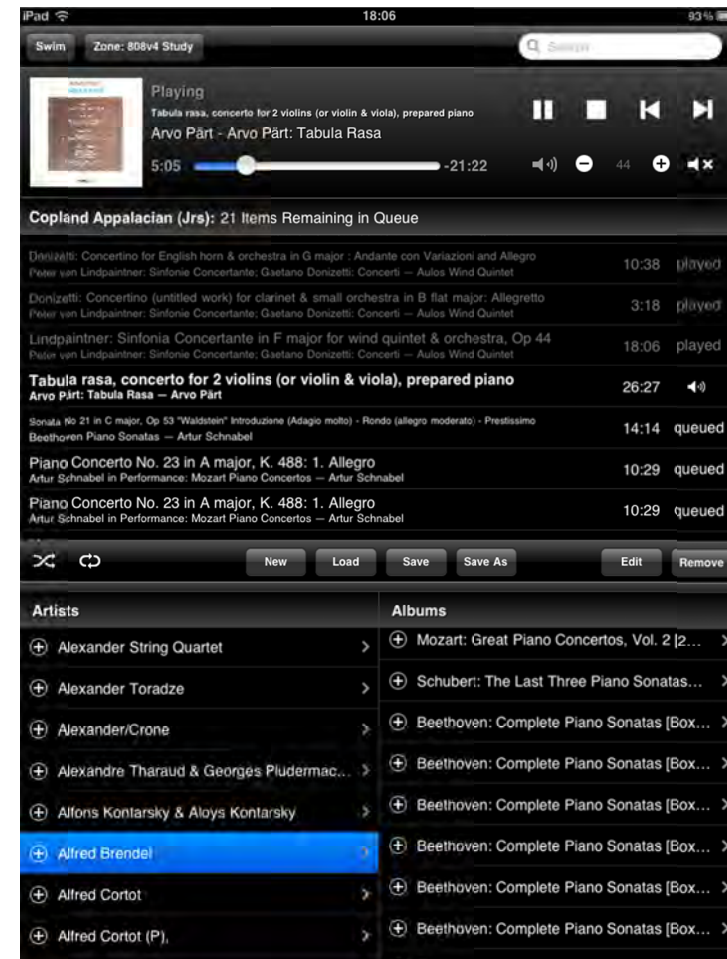
<sup>12</sup> The Sooloos system incorporates remote monitoring and diagnosis. For this to work, it is necessary that the system be able to see the internet and that it is registered with us. If you skip registration then we have no means of contacting you if we see something going wrong!

Periodically the system will report to us the state of the hard drives and it is often possible to avert a disaster.



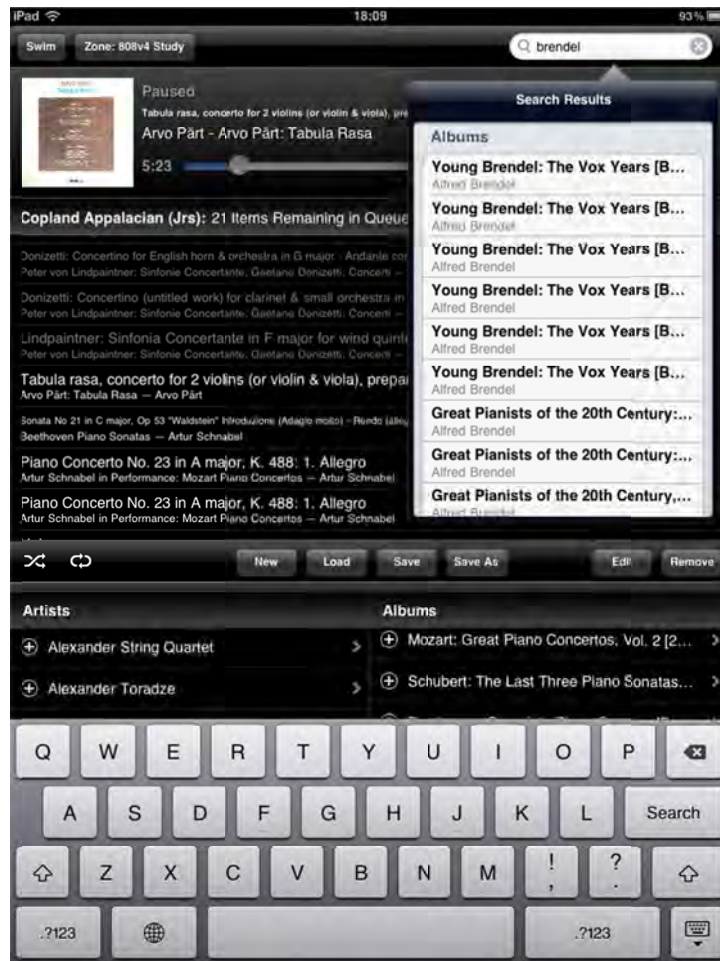
The iPad application has four main areas, from top to bottom:

- Search and Zone selection
- Now Playing, Volume and Transport controls
- Playlist/Queue. The Edit button allows us to remove or change the order of songs in the list. Playlists can be created or loaded, including those saved previously on the Control.
- Exploration area.



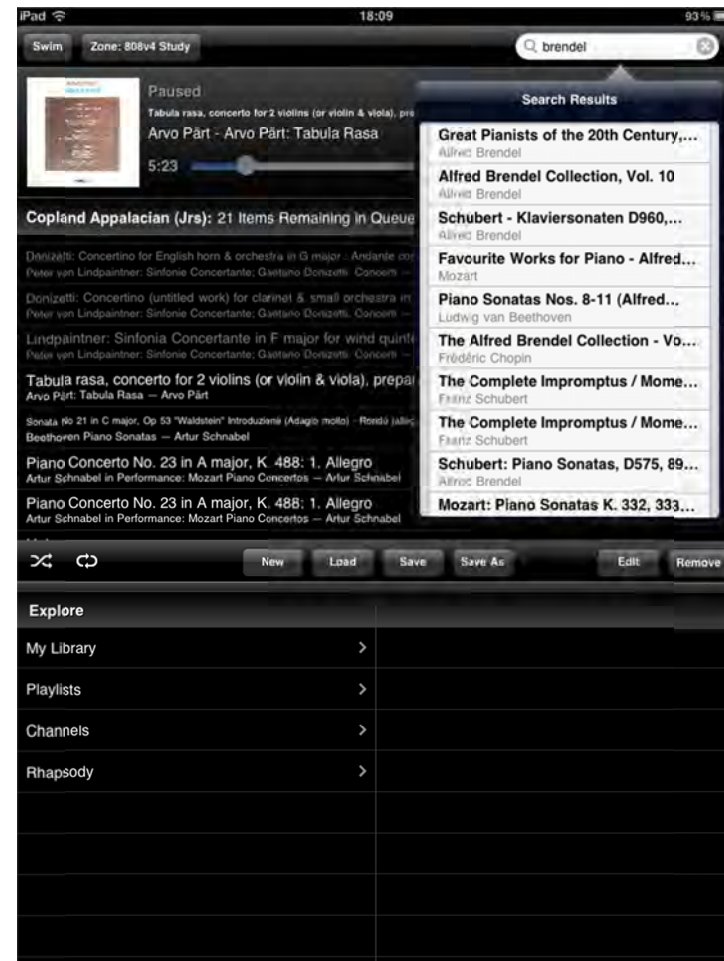
To Explore content the bottom section scrolls left <-> right.

In the screen above we have explored through Artist, A-B to *Alfred Brendel*. The right-hand list of Albums scrolls vertically.

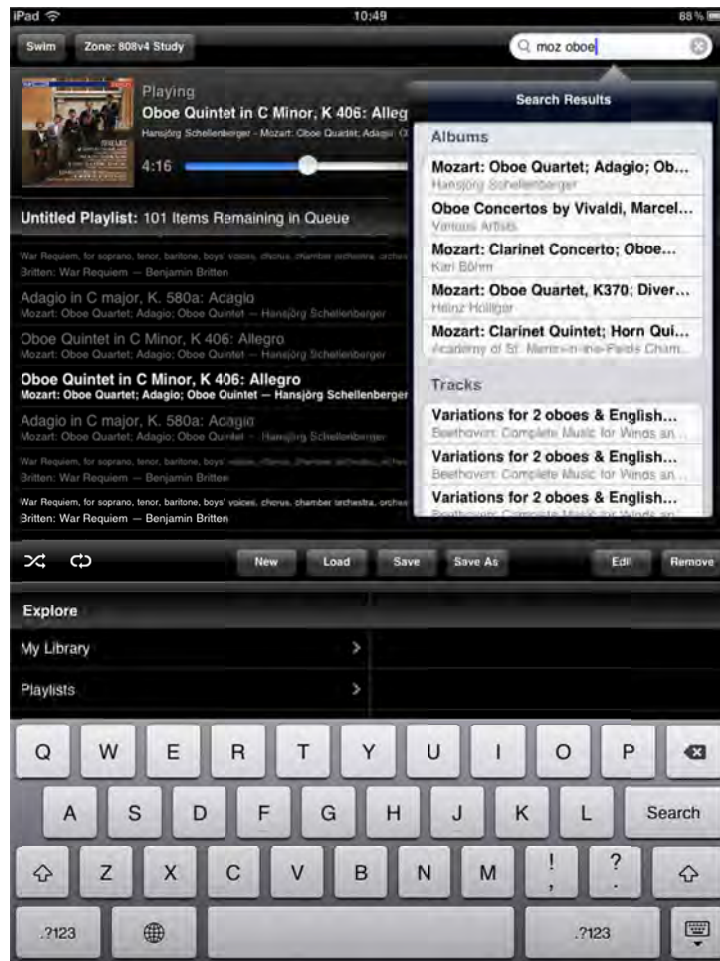


Search can be a convenient alternative to finding albums or works.

On the iPad, search results will include Albums and Tracks.

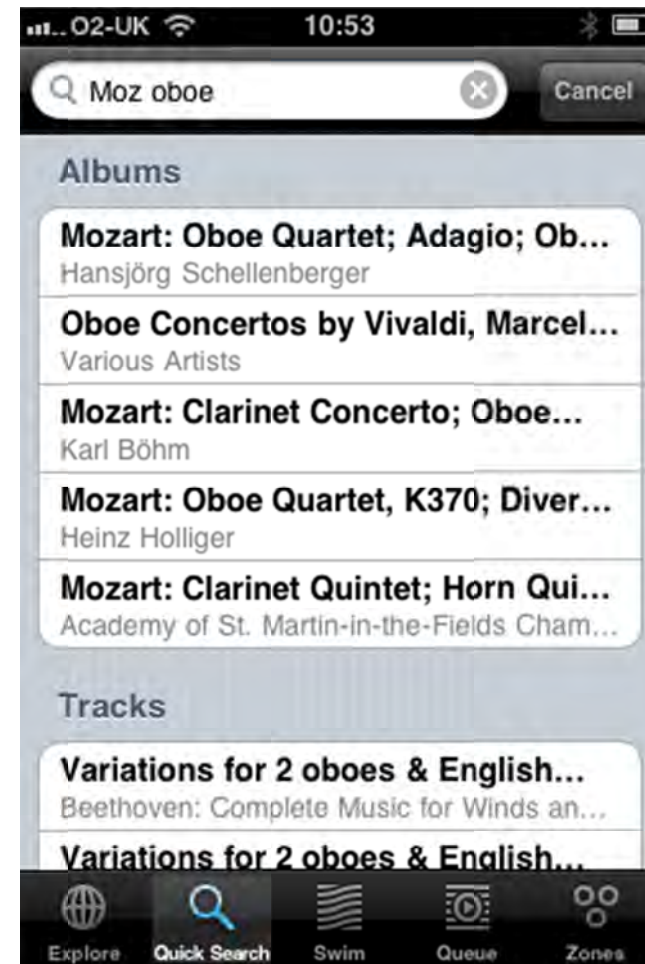


The search result is a list which can be scrolled vertically as shown above.



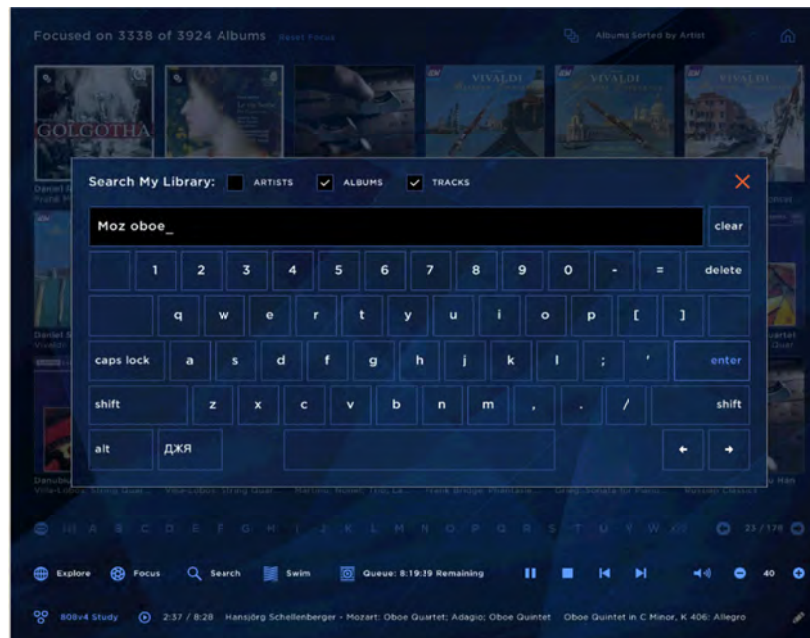
Searches do not have to be typed in full or use contiguous characters. This feature can be important in finding items with long names or where there might be too many results from a simple string search.

The example above uses 'moz oboe' on the iPad client.

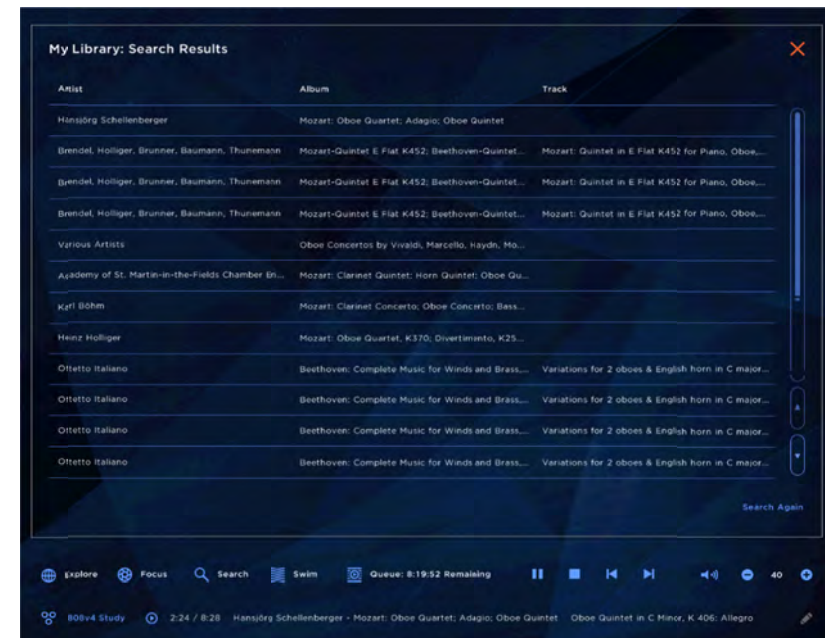


Here we see the same Quick Search query on the Touch/iPhone client.

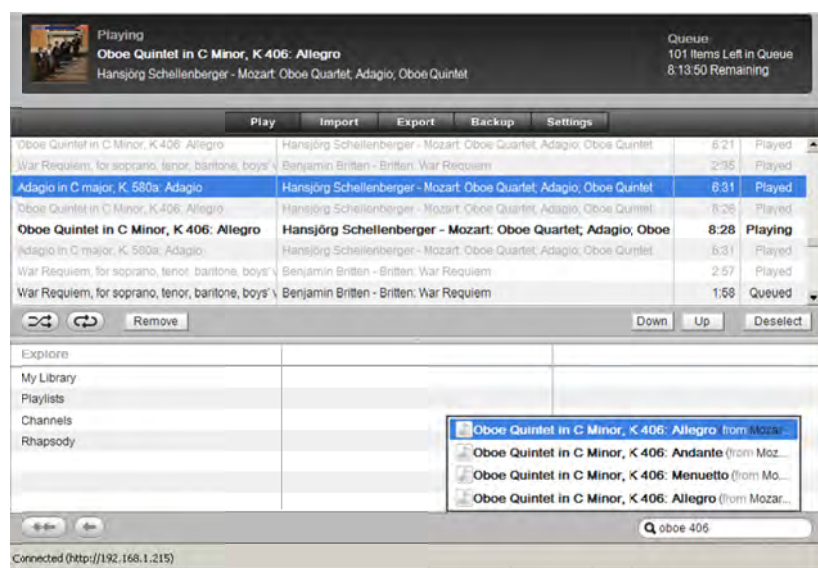
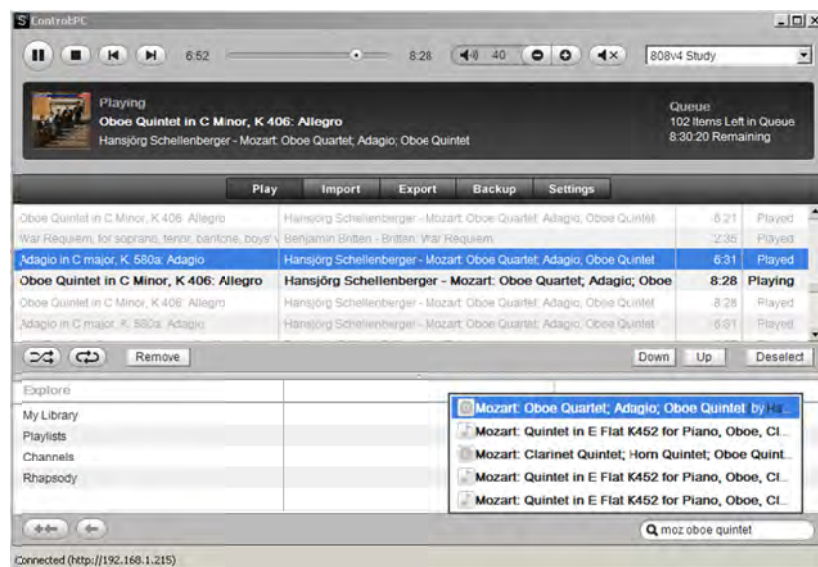
In both the iPad and iPhone applications we can see that albums and tracks are listed separately.



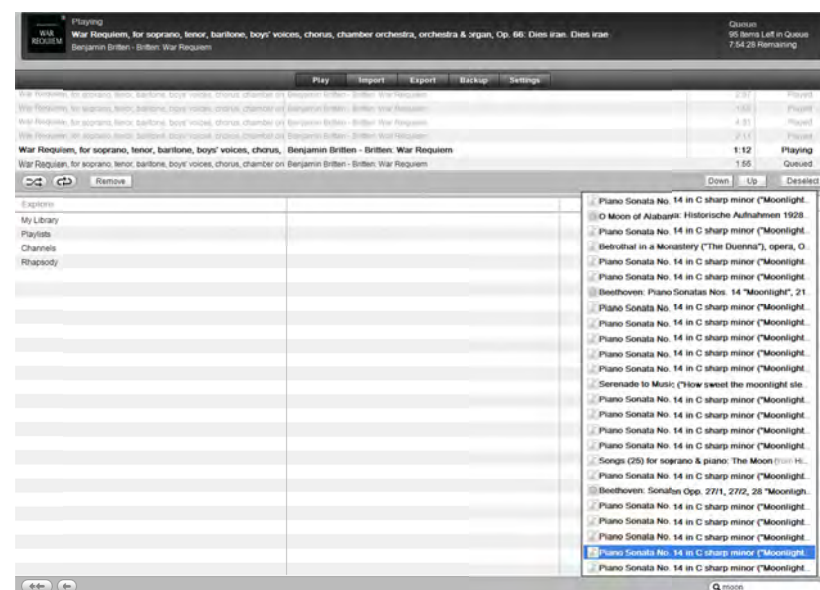
The same query can be performed on the main touch Control (note we picked Album and Tracks only) and we get the result shown opposite.



On the Control search can be customised to include combinations of Artist, Album or Track. We can touch any of the results to start playing or view more details.



Opposite we see two searches in Control:PC using different partial string targets. With care, experience and knowledge of the collection one can quickly develop a skill in searching.

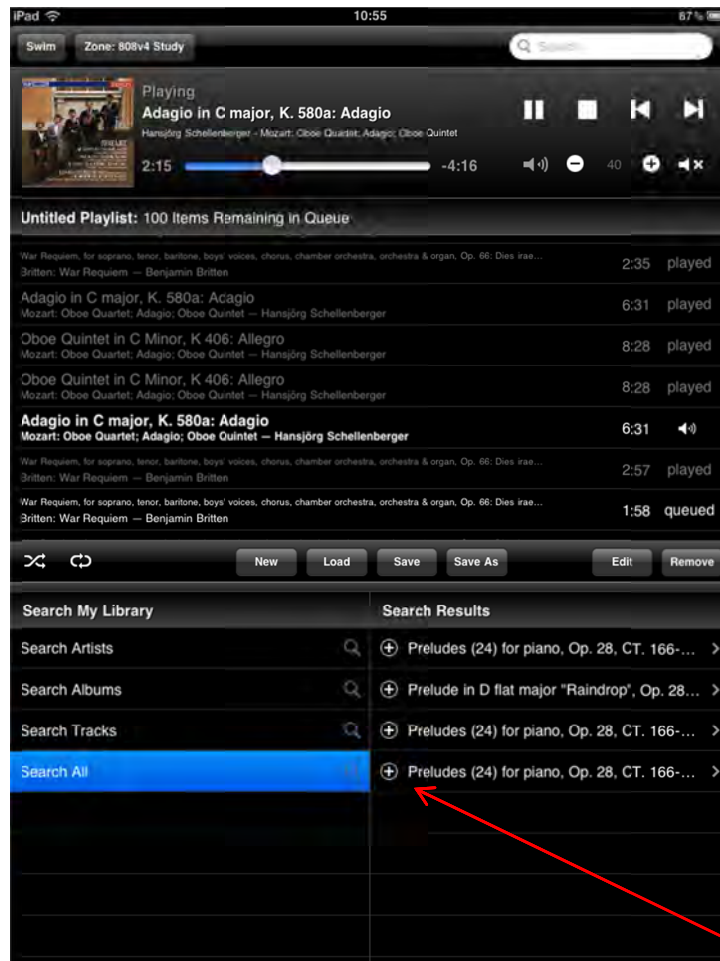


Control:PC/MAC is useful for editing album information and managing certain system settings. The number of items it can show from a search depend on how we adjust the Window as the example above illustrates.

Control:PC/MAC currently shows album and track results mixed in together and so it may be important to consider or refine the search terms if there are too many results. Search here (or in the iPhone/iPad) does not enforce contiguous string matches so you can enter a term containing parts of the target, so e.g. entering :

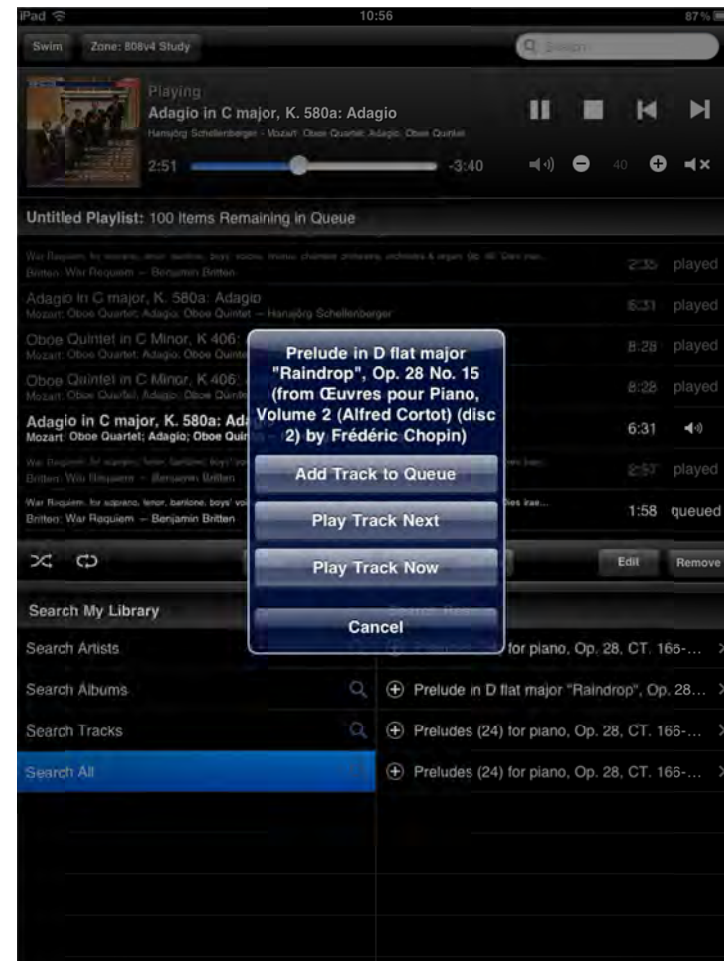
“bee 132” quickly returns :

“Beethoven: Complete String Quartets: Vol. 9: No. 15, Op. 132”.

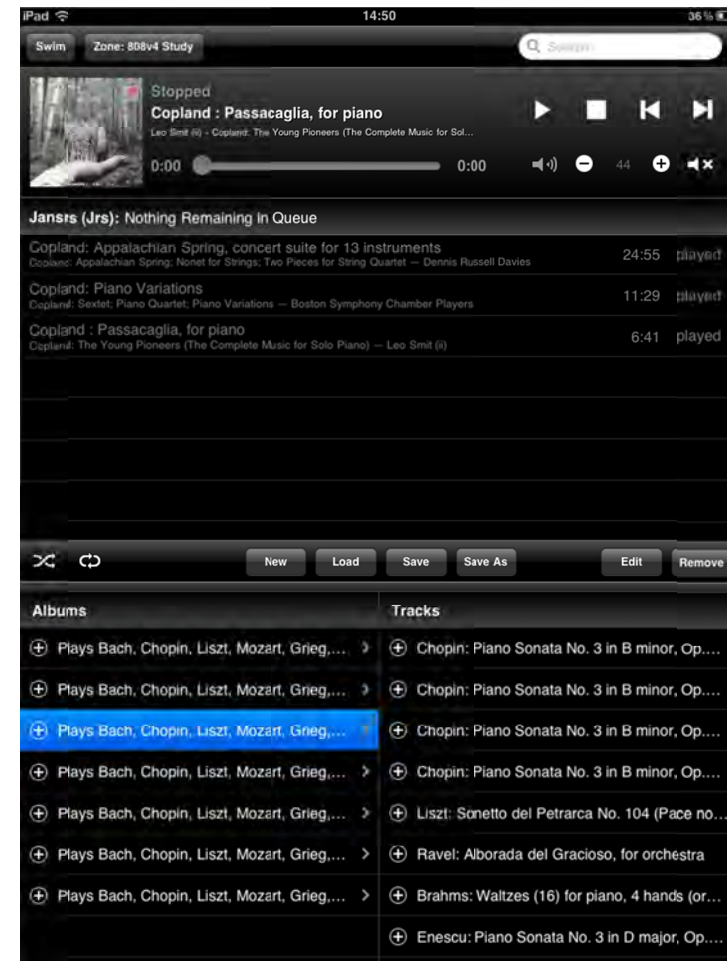
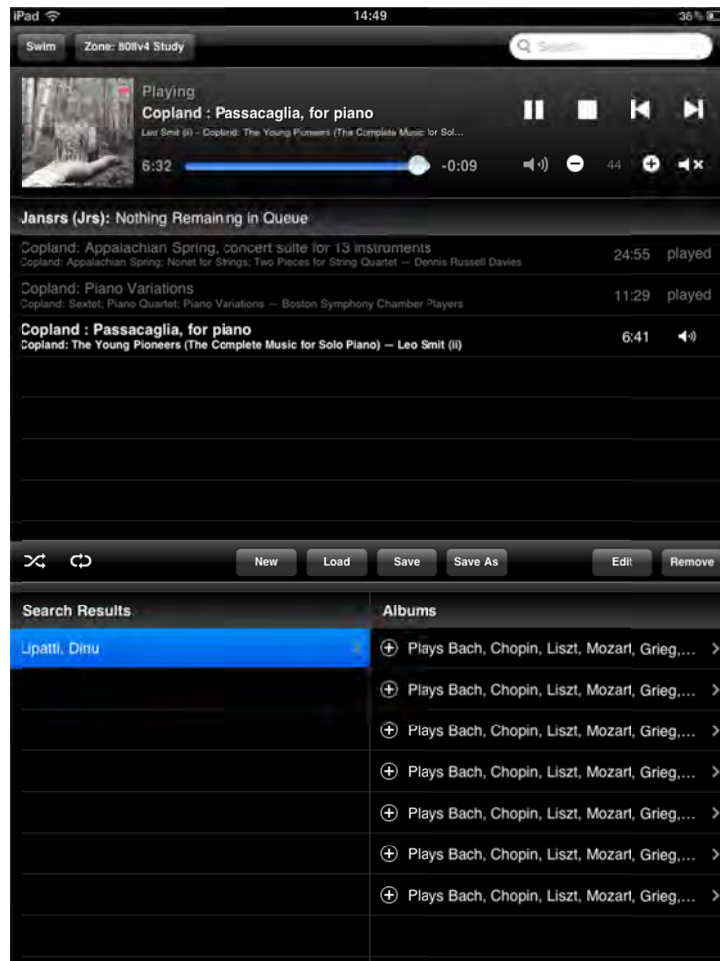


Search can provide useful results from simple terms.

Above we have used the **Search All** function for 'Raindrop' and the results are in the lower right of the window.



To see more about the results or take actions, we can touch the **+** symbols which produce a listing dialog.



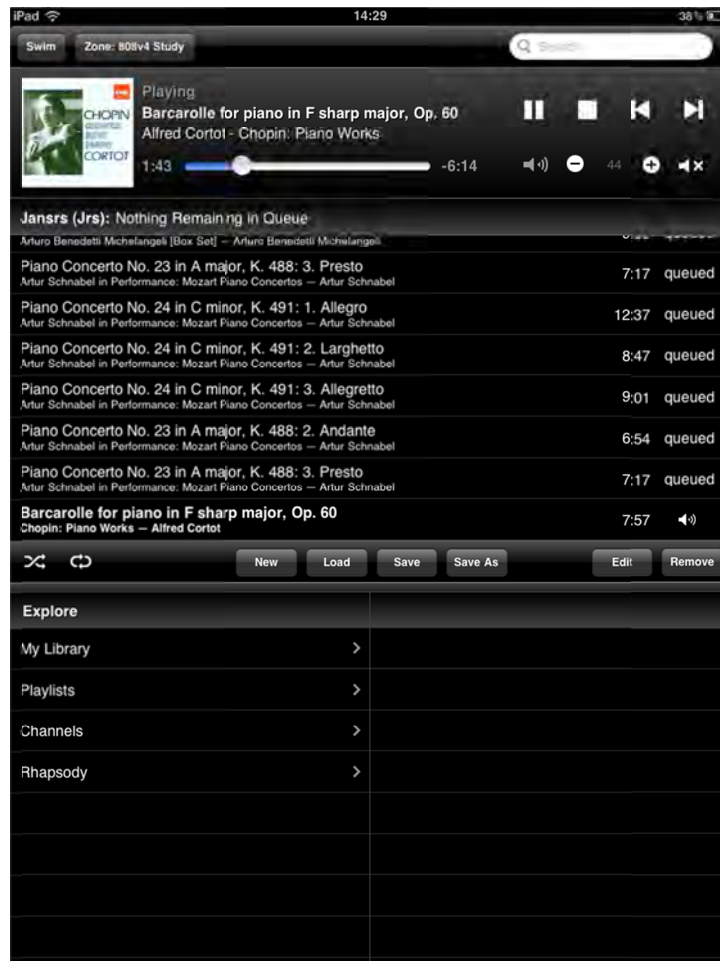
Here is how on the iPad we might use:

- **My Library / Search My Library**

To find works played by Dinu Lipatti.

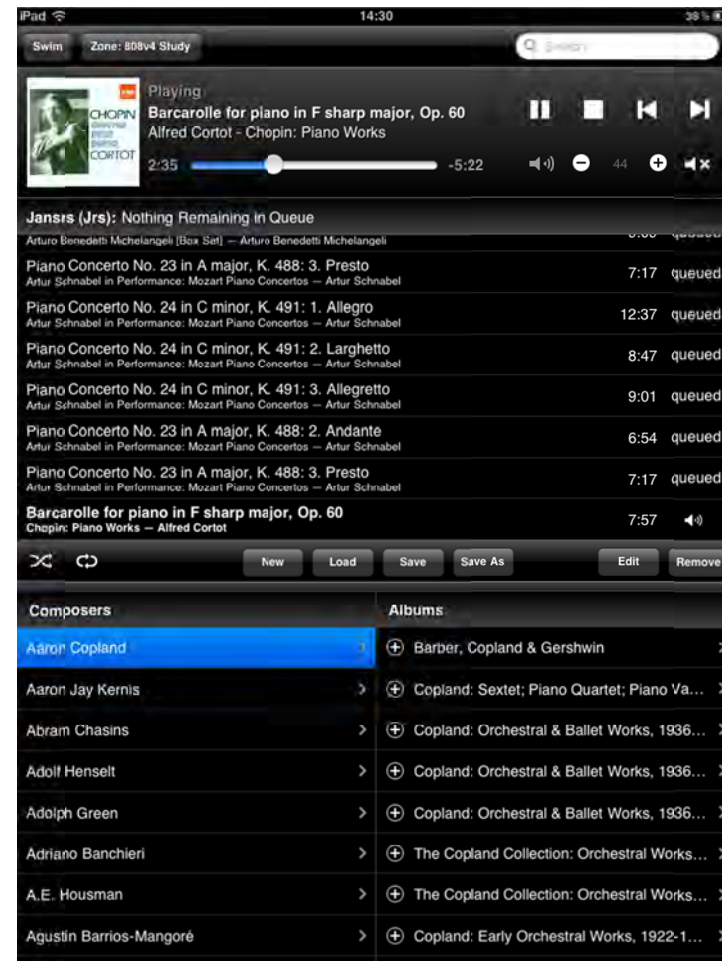
Putting 'Lipatti' in the Library Search returns the Artist & lists Albums.

Selecting one of the Albums gives a list of Tracks which can be reviewed or actioned using the + buttons as before.

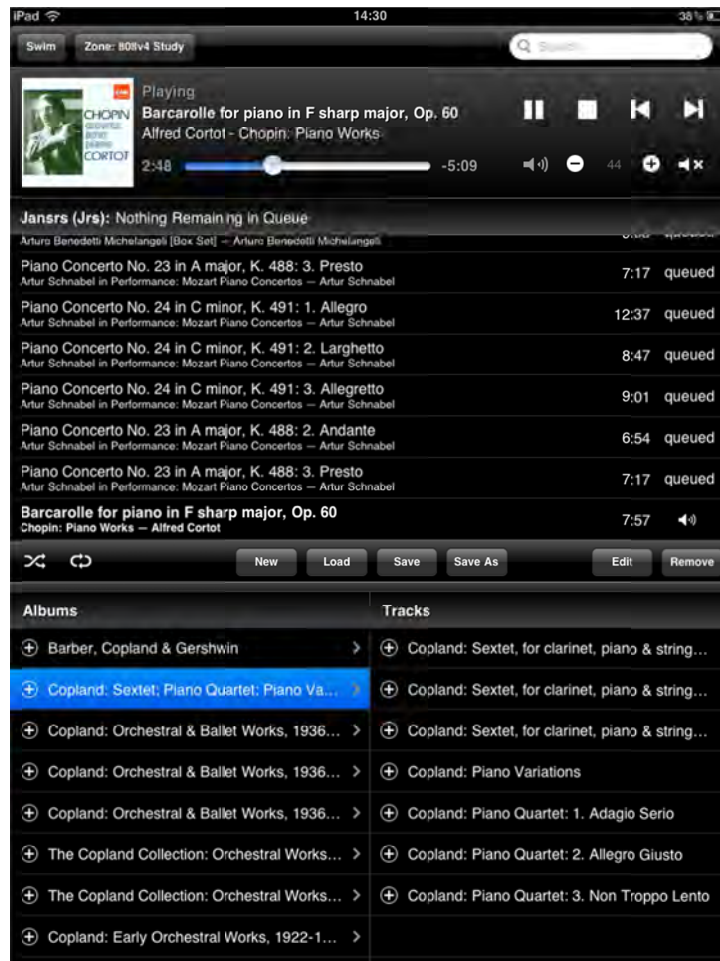


On this page we are showing exploration by Composer.

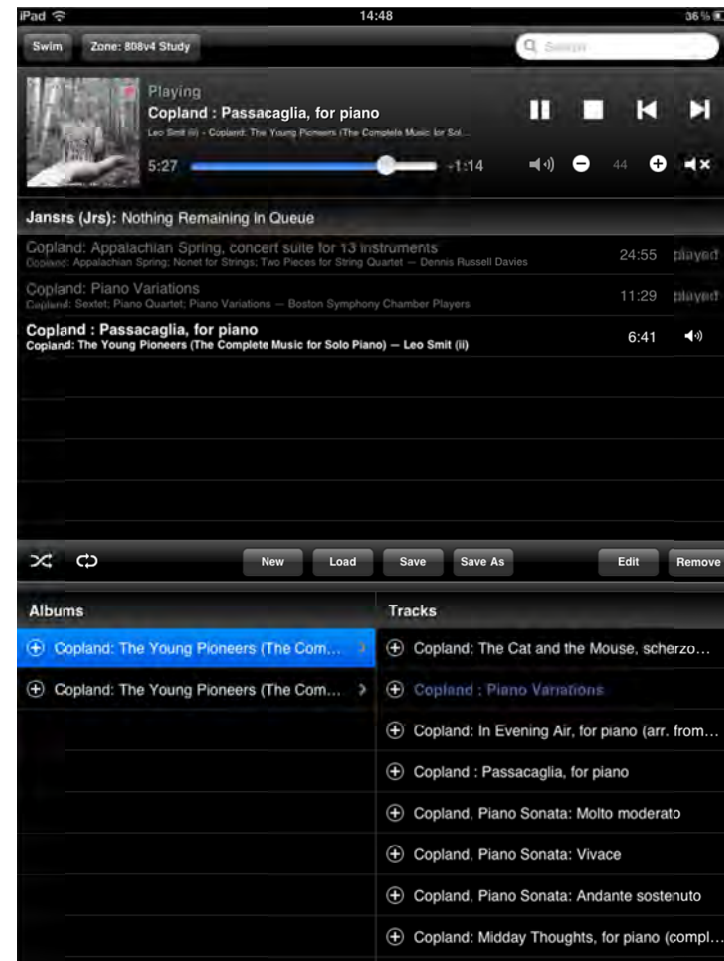
In this case the composer name is *Aaron Copland*, but composers can be changed to, e.g. *Copland*, *Aaron*, or even just *Copland*.



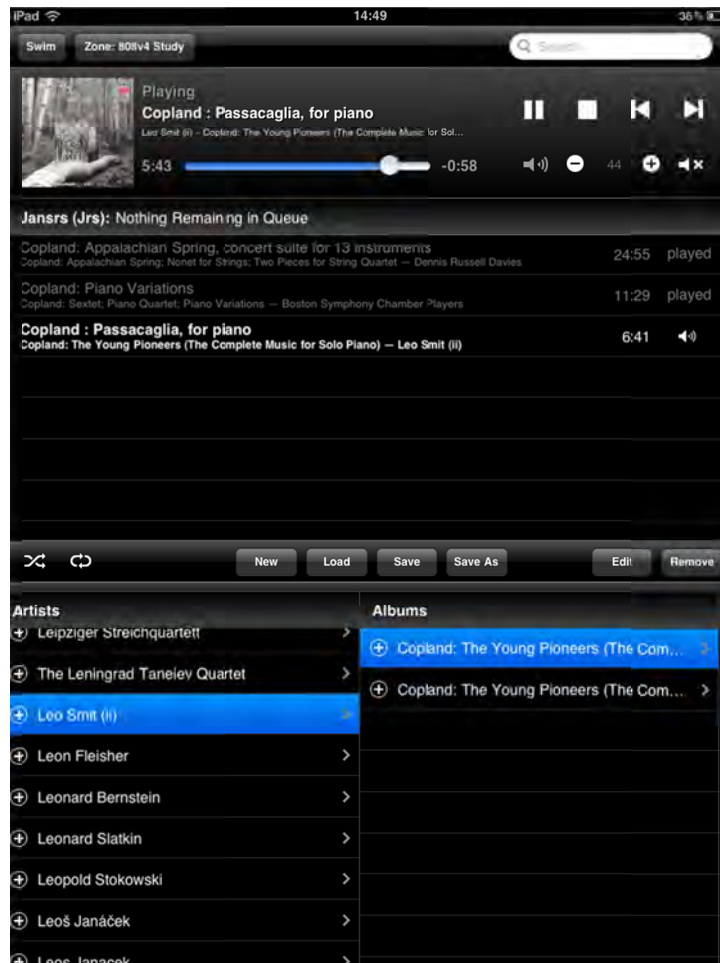
The exploration first lists Albums ...



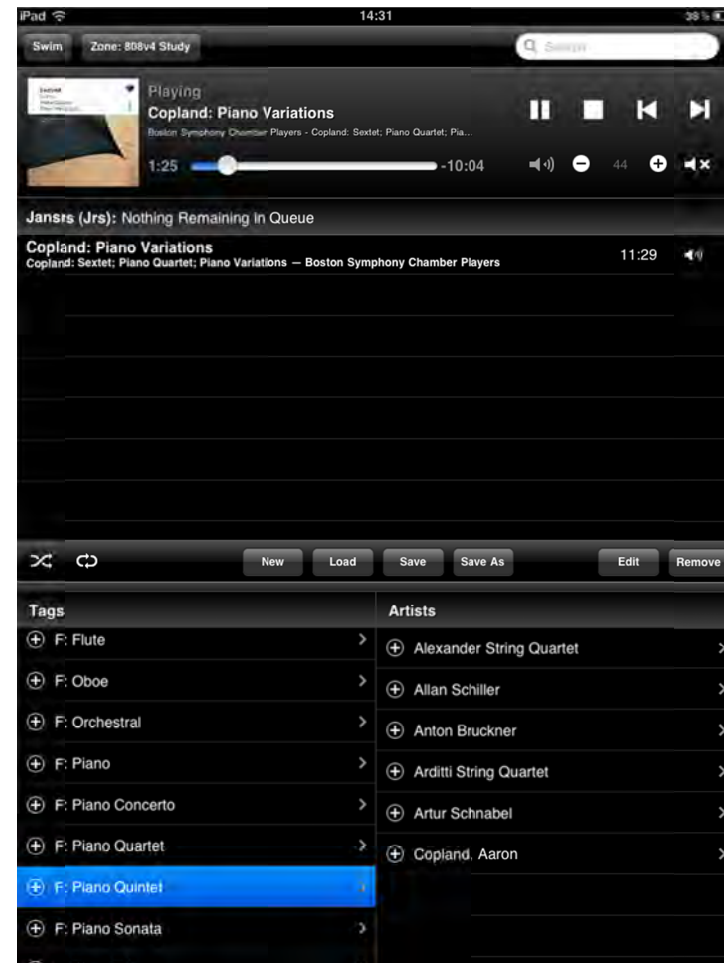
... and on into tracks.



Showing another Album choice.

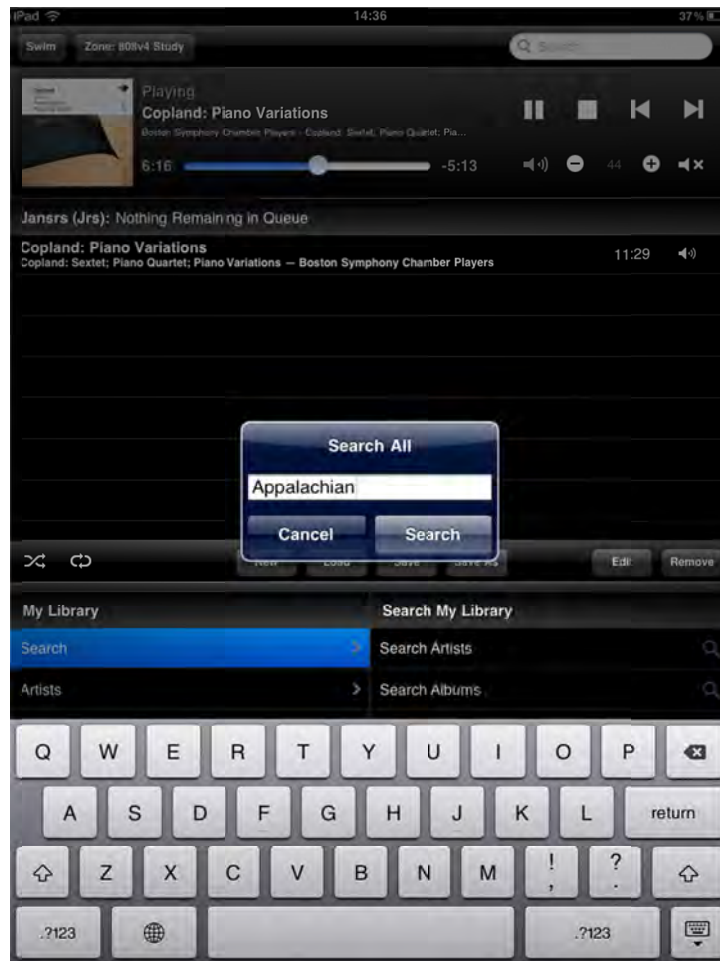


Showing exploring to the same Album via the Artist.

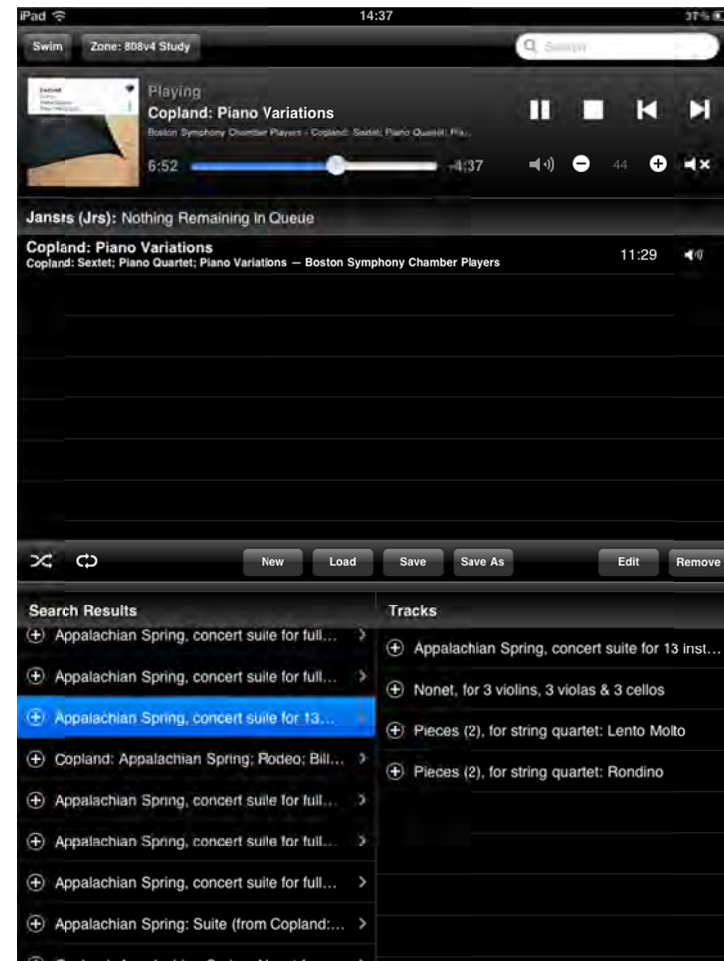


More sophisticated exploration of the content can show **Genres** (including Form or Instrumentation) or **Tags** which are free descriptors added on the Control.

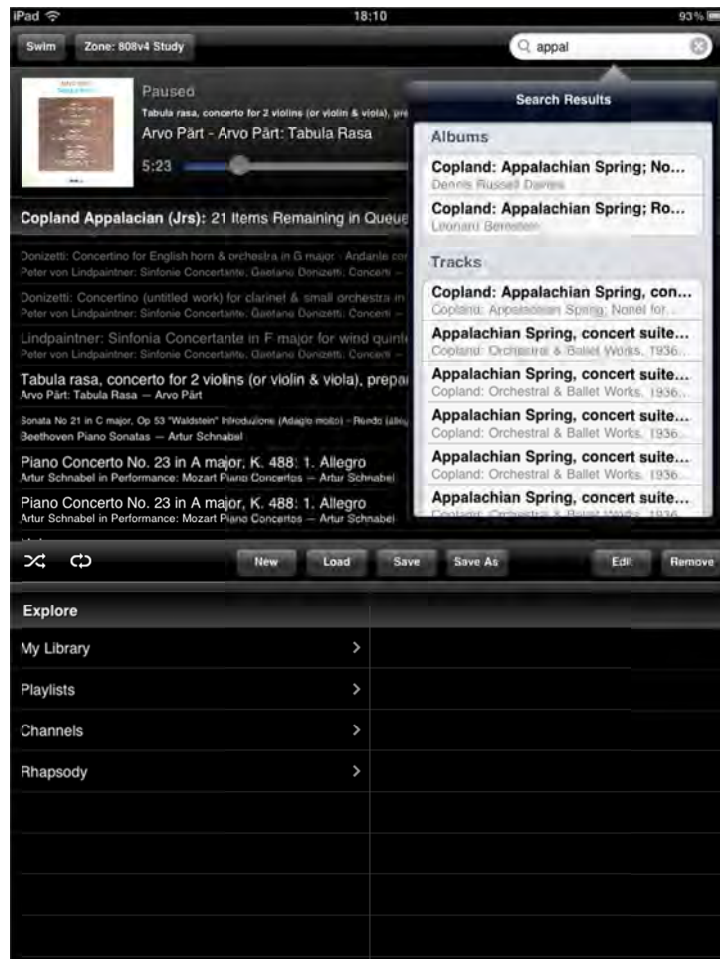
In the screen above some albums containing *Piano Quartets* were tagged and can be rapidly retrieved as shown.



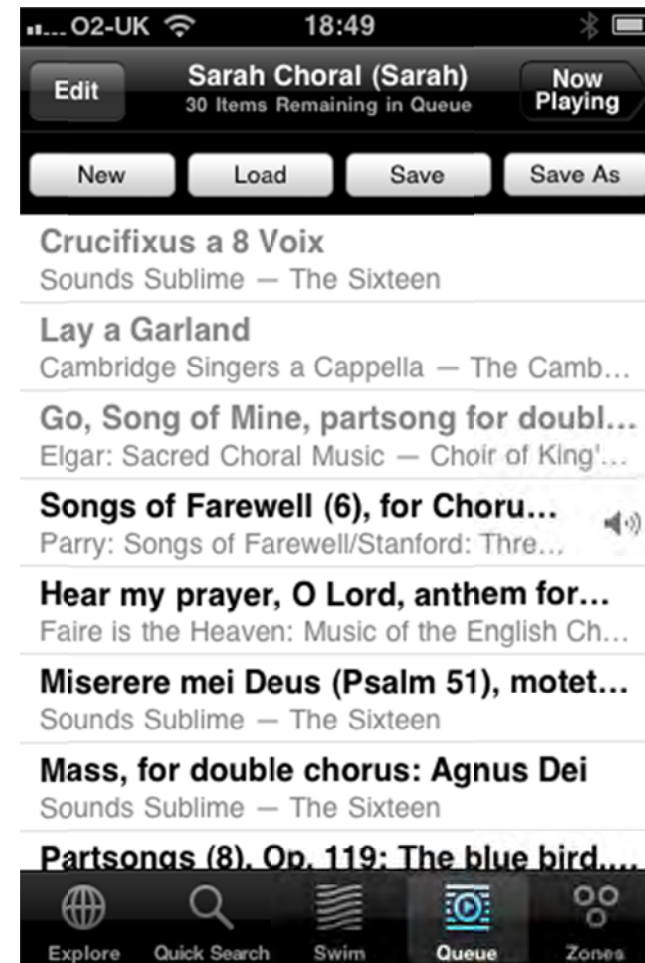
We can also perform free-form library searches. In this example we are looking for performances of *Appalachian Spring*.



Above we can see the search results and their exploration.



As an alternative a free-form search of the library can be made in the Quick Search box. Entering 'appal' we see two albums found, *Bernstein* and *Davies* as well as links to movements.



Above we can see how a saved playlist can be loaded into the Queue on the iPhone client.

## Appendix: Genres, Sub-genres and Styles

Genre	Sub-Genre	Style	Blues	Country Blues	Blues Gospel
Avant-Garde	Improvised Music	Creative Orchestra	Blues	Country Blues	Blues Revival
Avant-Garde	Improvised Music	Free Improvisation	Blues	Country Blues	Classic Female Blues
Avant-Garde	Improvised Music	Improvisation	Blues	Country Blues	Country Blues
Avant-Garde	Improvised Music	Structured Improvisation	Blues	Country Blues	Delta Blues
Avant-Garde	Modern Composition	Atonal	Blues	Country Blues	Dirty Blues
Avant-Garde	Modern Composition	Avant-Garde	Blues	Country Blues	Early American Blues
Avant-Garde	Modern Composition	Computer Music	Blues	Country Blues	Folk-Blues
Avant-Garde	Modern Composition	Experimental	Blues	Country Blues	Memphis Blues
Avant-Garde	Modern Composition	Microtonal	Blues	Country Blues	Modern Acoustic Blues
Avant-Garde	Modern Composition	Minimalism	Blues	Country Blues	Prewar Blues
Avant-Garde	Modern Composition	Modern Composition	Blues	Country Blues	Prewar Country Blues
Avant-Garde	Modern Composition	Musique Actuelle	Blues	Country Blues	Prewar Gospel Blues
Avant-Garde	Modern Composition	Musique Concrète	Blues	Country Blues	Songster
Avant-Garde	Modern Composition	Post-Minimalism	Blues	Country Blues	Vaudeville Blues
Avant-Garde	Modern Composition	Tape Music	Blues	Country Blues	Work Songs
Avant-Garde	Sound Art	Conceptual Art	Blues	East Coast Blues	East Coast Blues
Avant-Garde	Sound Art	Mixed Media	Blues	East Coast Blues	Jump Blues
Avant-Garde	Sound Art	Noise	Blues	East Coast Blues	New York Blues
Avant-Garde	Sound Art	Process-Generated	Blues	East Coast Blues	Piedmont Blues
Avant-Garde	Sound Art	Radio Works	Blues	Electric Blues	Chicago Blues
Avant-Garde	Sound Art	Sound Art	Blues	Electric Blues	Detroit Blues
Avant-Garde	Sound Art	Sound Collage	Blues	Electric Blues	Electric Blues
Avant-Garde	Sound Art	Sound Sculpture	Blues	Electric Blues	Electric Chicago Blues
Blues	British Invasion	British Blues	Blues	Electric Blues	Electric Country Blues
Blues	Country Blues	Acoustic Blues	Blues	Electric Blues	Electric Delta Blues
Blues	Country Blues	Acoustic Chicago Blues	Blues	Electric Blues	Electric Harmonica Blues
Blues	Country Blues	Acoustic Louisiana Blues	Blues	Electric Blues	Electric Memphis Blues
Blues	Country Blues	Acoustic Memphis Blues	Blues	Electric Blues	Electric Texas Blues
Blues	Country Blues	Acoustic New Orleans Blues	Blues	Electric Blues	Juke Joint Blues
Blues	Country Blues	Acoustic Texas Blues	Blues	Electric Blues	New Orleans Blues

Blues	Electric Blues	Slide Guitar Blues	Celtic	Traditional Folk	Drinking Songs
Blues	Electric Blues	Soul-Blues	Children's	Music	Lullabies
Blues	Electric Blues	Swamp Blues	Children's	Music	Nursery Rhymes
Blues	Electric Blues	Urban Blues	Classical	Classical	20th-Century
Blues	Harmonica Blues	Electric Harmonica Blues	Classical	Classical	21st-Century
Blues	Harmonica Blues	Harmonica Blues	Classical	Classical	Baroque
Blues	Jump Blues/Piano Blues	Piano Blues	Classical	Classical	Bel Canto Opera
Blues	Jump Blues/Piano Blues	St. Louis Blues	Classical	Classical	Chamber Music
Blues	Jump Blues/Piano Blues	West Coast Blues	Classical	Classical	Chant
Blues	Louisiana Blues	Louisiana Blues	Classical	Classical	Choral
Blues	Modern Electric Blues	Contemporary Blues	Classical	Classical	Classical
Blues	Modern Electric Blues	Modern Delta Blues	Classical	Classical	Classical Guitar
Blues	Modern Electric Blues	Modern Electric Blues	Classical	Classical	Contemporary
Blues	Modern Electric Blues	Modern Electric Chicago Blues	Classical	Classical	Early Music
Blues	Modern Electric Blues	Modern Electric Texas Blues	Classical	Classical	Gregorian Chant
Blues	Texas Blues	Electric Texas Blues	Classical	Classical	Impressionist
Blues	Texas Blues	Texas Blues	Classical	Classical	Medieval
Blues	Traditional Folk	Minstrel	Classical	Classical	Nationalist
Cajun	Cajun/Zydeco	Acadian	Classical	Classical	Neo-Classical
Cajun	Cajun/Zydeco	Creole	Classical	Classical	Neo-Romantic
Cajun	Cajun/Zydeco	Traditional Cajun	Classical	Classical	Operettas
Cajun	Cajun/Zydeco	Zydeco	Classical	Classical	Oratorios
Celtic	Celtic/British Isles	Celtic Folk	Classical	Classical	Post-Romantic
Celtic	Celtic/British Isles	Celtic Fusion	Classical	Classical	Renaissance
Celtic	Celtic/British Isles	Celtic Gospel	Classical	Classical	Romantic
Celtic	Celtic/British Isles	Celtic New Age	Classical	Classical	Sacred Vocal
Celtic	Celtic/British Isles	Celtic Pop	Classical	New Orleans/Classic Jazz	Brass Band
Celtic	Celtic/British Isles	Celtic Rock	Classical	Pop Classical	Classical Crossover
Celtic	Celtic/British Isles	Contemporary Celtic	Comedy	Musical Comedy	Musical Comedy
Celtic	Celtic/British Isles	Drinking Songs	Comedy	Musical Comedy	Novelty
Celtic	Celtic/British Isles	Scottish Folk	Comedy	Musical Comedy	Satire
Celtic	Celtic/British Isles	Traditional Celtic	Comedy	Musical Comedy	Shock Jock
Celtic	Celtic/British Isles	Traditional Irish Folk	Comedy	Musical Comedy	Song Parody

Comedy	Spoken Comedy	Blue Humor	Country	Traditional Country	Instrumental Country
Comedy	Spoken Comedy	Ethnic Comedy	Country	Traditional Country	Jug Band
Comedy	Spoken Comedy	Gay Comedy	Country	Traditional Country	Old-Timey
Comedy	Spoken Comedy	Morning Radio	Country	Traditional Country	Square Dance
Comedy	Spoken Comedy	Observational Humor	Country	Traditional Country	String Bands
Comedy	Spoken Comedy	Political Comedy	Country	Traditional Country	Traditional Bluegrass
Comedy	Spoken Comedy	Prank Calls	Country	Traditional Country	Traditional Country
Comedy	Spoken Comedy	Sketch Comedy	Country	Traditional Country	Yodeling
Comedy	Spoken Comedy	Standup Comedy	Country	Traditional Folk	Appalachian Folk
Country	Alternative Country	Alternative Country	Country	Traditional Folk	Jug Band
Country	Alternative Country	Americana	Country	Traditional Folk	Old-Timey
Country	Contemporary Country	Contemporary Bluegrass	Country	Traditional Folk	String Bands
Country	Contemporary Country	Contemporary Country	Country	Western Swing	Western Swing
Country	Contemporary Country	Neo-Traditionalist Country	Country	Western Swing	Western Swing Revival
Country	Contemporary Country	New Traditionalist	Easy Listening	Big Band/Swing	Ballroom Dance
Country	Country-Pop	Country-Pop	Easy Listening	Easy Listening	Classical Pop
Country	Country-Pop	Nashville Sound/Country pop	Easy Listening	Easy Listening	Easy Pop
Country	Country-Pop	Urban Cowboy	Easy Listening	Easy Listening	Instrumental Pop
Country	Honky Tonk	Bakersfield Sound	Easy Listening	Easy Listening	Mood Music
Country	Honky Tonk	Honky Tonk	Easy Listening	Easy Listening	Orchestral
Country	Honky Tonk	Truck Driving Country	Easy Listening	Easy Listening	Orchestral Pop
Country	Musical Comedy	Country Comedy	Easy Listening	Exotica/Lounge	Exotica
Country	Progressive Country	Country-Folk	Easy Listening	Exotica/Lounge	Lounge
Country	Progressive Country	Outlaw Country	Easy Listening	Exotica/Lounge	Space Age Pop
Country	Progressive Country	Progressive Bluegrass	Easy Listening	Holiday	Wedding Music
Country	Progressive Country	Progressive Country	Electronica	Alternative/Indie-Rock	Industrial Dance
Country	Traditional Country	Rodeo	Electronica	Dance	Acid Jazz
Country	Traditional Country	Bluegrass	Electronica	Dance	Garage/House
Country	Traditional Country	Bluegrass-Gospel	Electronica	Dance	Hi-NRG
Country	Traditional Country	Close Harmony	Electronica	Dance	House
Country	Traditional Country	Country Boogie	Electronica	Dance	Rave
Country	Traditional Country	Country Gospel	Electronica	Electronica	2-Step/British Garage
Country	Traditional Country	Cowboy	Electronica	Electronica	Acid House

Electronica	Electronica	Acid Techno	Electronica	Electronica	Left-Field House
Electronica	Electronica	Ambient Breakbeat	Electronica	Electronica	Microhouse
Electronica	Electronica	Ambient Dub	Electronica	Electronica	Microsound
Electronica	Electronica	Ambient House	Electronica	Electronica	Minimal Techno
Electronica	Electronica	Ambient Techno	Electronica	Electronica	Neo-Electro
Electronica	Electronica	Big Beat	Electronica	Electronica	Newbeat
Electronica	Electronica	Broken Beat	Electronica	Electronica	Nu Breaks
Electronica	Electronica	Dark Ambient	Electronica	Electronica	Progressive House
Electronica	Electronica	Detroit Techno	Electronica	Electronica	Progressive Trance
Electronica	Electronica	Downbeat	Electronica	Electronica	Tech-House
Electronica	Electronica	Downtempo	Electronica	Electronica	Techno
Electronica	Electronica	Drill'n'bass	Electronica	Electronica	Techno Bass
Electronica	Electronica	Electro	Electronica	Electronica	Techno-Dub
Electronica	Electronica	Electro-Jazz	Electronica	Electronica	Trance
Electronica	Electronica	Electronica	Electronica	Electronica	Tribal-House
Electronica	Electronica	Electro-Techno	Electronica	Electronica	Trip-Hop
Electronica	Electronica	Experimental Ambient	Electronica	Modern Composition	Electronic
Electronica	Electronica	Experimental Dub	Electronica	Sound Art	Electro-Acoustic
Electronica	Electronica	Experimental Electro	Folk	Alternative Country	Neo-Traditional Folk
Electronica	Electronica	Experimental Jungle	Folk	Alternative/Indie-Rock	Alternative Folk
Electronica	Electronica	Experimental Techno	Folk	Celtic/British Isles	British Folk
Electronica	Electronica	Funky Breaks	Folk	Celtic/British Isles	Irish Folk
Electronica	Electronica	Gabba	Folk	Celtic/British Isles	Traditional Scottish Folk
Electronica	Electronica	Garage Rap/Grime	Folk	Contemporary Folk	Alternative Folk
Electronica	Electronica	Glitch	Folk	Contemporary Folk	Anti-Folk
Electronica	Electronica	Goa Trance	Folk	Contemporary Folk	Children's Folk
Electronica	Electronica	Happy Hardcore	Folk	Contemporary Folk	Contemporary Folk
Electronica	Electronica	Hardcore Techno	Folk	Contemporary Folk	New Acoustic
Electronica	Electronica	IDM	Folk	Contemporary Folk	Political Folk
Electronica	Electronica	Illbient	Folk	Contemporary Folk	Progressive Folk
Electronica	Electronica	Industrial Drum'n'Bass	Folk	Traditional Folk	Field Recordings
Electronica	Electronica	Jazz-House	Folk	Traditional Folk	Folk Revival
Electronica	Electronica	Jungle/Drum'n'bass	Folk	Traditional Folk	Folksongs

Folk	Traditional Folk	Irish Folk	Form	Classical Form	Etude
Folk	Traditional Folk	Neo-Traditional Folk	Form	Classical Form	Fantasia
Folk	Traditional Folk	Sea Shanties	Form	Classical Form	Impromptu
Folk	Traditional Folk	Traditional Folk	Form	Classical Form	Intermezzo
Folk	Traditional Folk	Traditional Scottish Folk	Form	Classical Form	Lied/Song
Form	Blues	12-bar	Form	Classical Form	Nocturne
Form	Blues	16-bar	Form	Classical Form	Polka
Form	Blues	8-bar	Form	Classical Form	Rhapsody
Form	Classical Form	Solo work	Form	Classical Form	Rondo
Form	Classical Form	Duet	Form	Classical Form	Suite
Form	Classical Form	Trio	Form	Classical Form	Symphony
Form	Classical Form	Quartet	Form	Classical Form	Waltz
Form	Classical Form	Quintet	Gospel	CCM/Contemporary Gospel	Alternative CCM
Form	Classical Form	Sextet	Gospel	CCM/Contemporary Gospel	CCM
Form	Classical Form	Septet	Gospel	CCM/Contemporary Gospel	Christian Comedy
Form	Classical Form	Octet	Gospel	CCM/Contemporary Gospel	Christian Metal
Form	Classical Form	Nonet	Gospel	CCM/Contemporary Gospel	Christian Punk
Form	Classical Form	Ballade	Gospel	CCM/Contemporary Gospel	Christian Rap
Form	Classical Form	Carol	Gospel	CCM/Contemporary Gospel	Christian Rock
Form	Classical Form	Madrigal	Gospel	CCM/Contemporary Gospel	Contemporary Gospel
Form	Classical Form	Mass	Gospel	CCM/Contemporary Gospel	Inspirational
Form	Classical Form	Motet	Gospel	CCM/Contemporary Gospel	Jesus Rock
Form	Classical Form	Opera	Gospel	CCM/Contemporary Gospel	Latin Gospel
Form	Classical Form	Pavanne	Gospel	CCM/Contemporary Gospel	Praise & Worship
Form	Classical Form	Tocatta	Gospel	CCM/Contemporary Gospel	Reggae Gospel
Form	Classical Form	Cantata	Gospel	Classical	Hymns
Form	Classical Form	Concerto	Gospel	Country Blues	Spirituals
Form	Classical Form	Fugue	Gospel	Hard Rock	Christian Metal
Form	Classical Form	Oratorio	Gospel	Hip-Hop/Urban	Christian Rap
Form	Classical Form	Partita	Gospel	Pop/Rock	Christian Rock
Form	Classical Form	Prelude	Gospel	Punk/New Wave	Christian Punk
Form	Classical Form	Sonata	Gospel	Reggae/Caribbean	Reggae Gospel
Form	Classical Form	Ballet	Gospel	Spoken Comedy	Christian Comedy

Gospel	Traditional Gospel	Black Gospel	Instrumentation	Instrument	Organ
Gospel	Traditional Gospel	Gospel Choir	Instrumentation	Instrument	Percussion
Gospel	Traditional Gospel	Hymns	Instrumentation	Instrument	Piano
Gospel	Traditional Gospel	Instrumental Gospel	Instrumentation	Instrument	Trumpet
Gospel	Traditional Gospel	Scriptures	Instrumentation	Instrument	Viola
Gospel	Traditional Gospel	Southern Gospel	Instrumentation	Instrument	Violin
Gospel	Traditional Gospel	Spirituals	Instrumentation	Instrument	Voice
Gospel	Traditional Gospel	Traditional Gospel	Jazz	Big Band/Swing	Big Band
Holiday	Holiday	Carols	Jazz	Big Band/Swing	British Dance Bands
Holiday	Holiday	Chanukah	Jazz	Big Band/Swing	Continental Jazz
Holiday	Holiday	Christmas	Jazz	Big Band/Swing	Dance Bands
Holiday	Holiday	Easter	Jazz	Big Band/Swing	Experimental Big Band
Holiday	Holiday	Halloween	Jazz	Big Band/Swing	Jive
Holiday	Holiday	Holiday	Jazz	Big Band/Swing	Modern Big Band
Holiday	Holiday	Thanksgiving	Jazz	Big Band/Swing	Orchestral Jazz
Instrumentation	Ensemble	Flute Quartet	Jazz	Big Band/Swing	Progressive Big Band
Instrumentation	Ensemble	Orchestra	Jazz	Big Band/Swing	Progressive Jazz
Instrumentation	Ensemble	Piano Duet	Jazz	Big Band/Swing	Society Dance Band
Instrumentation	Ensemble	Piano Quartet	Jazz	Big Band/Swing	Sweet Bands
Instrumentation	Ensemble	Piano Quintet	Jazz	Big Band/Swing	Swing
Instrumentation	Ensemble	Piano Trio	Jazz	Bop	Bop
Instrumentation	Ensemble	String Quartet	Jazz	Contemporary Folk	Folk-Jazz
Instrumentation	Ensemble	String Trio	Jazz	Cool	Chamber Jazz
Instrumentation	Ensemble	Wind Ensemble	Jazz	Cool	Cool
Instrumentation	Instrument	Bagpipe	Jazz	Cool	West Coast Jazz
Instrumentation	Instrument	Double Bass	Jazz	Free Jazz	Avant-Garde Jazz
Instrumentation	Instrument	Bassoon	Jazz	Free Jazz	Early Creative
Instrumentation	Instrument	Cello	Jazz	Free Jazz	Free Funk
Instrumentation	Instrument	Clarinet	Jazz	Free Jazz	Free Jazz
Instrumentation	Instrument	Flute	Jazz	Free Jazz	M-Base
Instrumentation	Instrument	Guitar	Jazz	Free Jazz	Modern Creative
Instrumentation	Instrument	Harpsichord	Jazz	Free Jazz	Modern Free
Instrumentation	Instrument	Oboe	Jazz	Free Jazz	Third Stream

Jazz	Fusion	Contemporary Jazz	Jazz	Vocal/Standards	Ballads
Jazz	Fusion	Crossover Jazz	Jazz	Vocal/Standards	Standards
Jazz	Fusion	Free Funk	Latin	CCM/Contemporary Gospel	Latin CCM
Jazz	Fusion	Fusion	Latin	Dance	Latin Dance
Jazz	Fusion	Jazz-Pop	Latin	Dance	Latin Freestyle
Jazz	Fusion	Smooth Jazz	Latin	Foreign Language Rock	Rock en Español
Jazz	Hard Bop	Hard Bop	Latin	Hip-Hop/Urban	Reggaeton
Jazz	Hard Bop	Modal Music	Latin	Latin America	Afro Peruvian
Jazz	Hard Bop	Neo-Bop	Latin	Latin America	Afro-Brazilian
Jazz	Hard Bop	Post-Bop	Latin	Latin America	Afro-Colombian
Jazz	Hard Bop	Standards	Latin	Latin America	Andean Folk
Jazz	Jump Blues/Piano Blues	Jazz Blues	Latin	Latin America	Argentinean Folk
Jazz	Latin America	Latin Jazz	Latin	Latin America	Banda
Jazz	Latin Jazz/World Fusion	African Jazz	Latin	Latin America	Big Band Latino
Jazz	Latin Jazz/World Fusion	Afro-Cuban Jazz	Latin	Latin America	Bolero
Jazz	Latin Jazz/World Fusion	Brazilian Jazz	Latin	Latin America	Boogaloo
Jazz	Latin Jazz/World Fusion	Cuban Jazz	Latin	Latin America	Bossa Nova
Jazz	Latin Jazz/World Fusion	Latin Jazz	Latin	Latin America	Brazilian Folk
Jazz	Latin Jazz/World Fusion	World Fusion	Latin	Latin America	Brazilian Pop
Jazz	New Orleans/Classic Jazz	Boogie-Woogie	Latin	Latin America	Carnival
Jazz	New Orleans/Classic Jazz	Classic Jazz	Latin	Latin America	Cha-Cha
Jazz	New Orleans/Classic Jazz	Dixieland	Latin	Latin America	Chilean Folk
Jazz	New Orleans/Classic Jazz	Dixieland Revival	Latin	Latin America	Choro
Jazz	New Orleans/Classic Jazz	Hot Jazz	Latin	Latin America	Corrido
Jazz	New Orleans/Classic Jazz	Mainstream Jazz	Latin	Latin America	Cuatro
Jazz	New Orleans/Classic Jazz	New Orleans Brass Bands	Latin	Latin America	Cumbia
Jazz	New Orleans/Classic Jazz	New Orleans Jazz	Latin	Latin America	Forro
Jazz	New Orleans/Classic Jazz	Novelty Ragtime	Latin	Latin America	Jibaro
Jazz	New Orleans/Classic Jazz	Ragtime	Latin	Latin America	Latin CCM
Jazz	New Orleans/Classic Jazz	Stride	Latin	Latin America	Latin Comedy
Jazz	New Orleans/Classic Jazz	Trad Jazz	Latin	Latin America	Latin Folk
Jazz	Soul Jazz/Groove	Jazz-Funk	Latin	Latin America	Latin Pop
Jazz	Soul Jazz/Groove	Soul-Jazz	Latin	Latin America	Latin Soul

Latin	Latin America	Mambo	Latin	Tropical	Lambada
Latin	Latin America	Mariachi	Latin	Tropical	Merengue
Latin	Latin America	Modern Son	Latin	Tropical	Merenhouse
Latin	Latin America	MPB	Latin	Tropical	Mini Jazz
Latin	Latin America	New York Salsa	Latin	Tropical	Rhumba
Latin	Latin America	Norteco	Latin	Tropical	Sonero
Latin	Latin America	Nueva Cancion	Latin	Tropical	Tropical
Latin	Latin America	Nueva Trova	New Age	Electronica	Ambient
Latin	Latin America	Onda Grupera	New Age	Relaxation	Healing
Latin	Latin America	Pachanga	New Age	Relaxation	Meditation & Relaxation
Latin	Latin America	Peruvian Folk	New Age	Relaxation	Nature
Latin	Latin America	Plena	New Age	Relaxation	Self-Help & Development
Latin	Latin America	Quechua	R&B	Dance	Disco
Latin	Latin America	Ranchera	R&B	Dance	Freestyle
Latin	Latin America	Rock en Español	R&B	Hip-Hop/Urban	Contemporary R&B
Latin	Latin America	Salsa	R&B	Hip-Hop/Urban	Go-Go
Latin	Latin America	Samba	R&B	Hip-Hop/Urban	New Jack Swing
Latin	Latin America	Son	R&B	Hip-Hop/Urban	Post-Disco
Latin	Latin America	Tango	R&B	Hip-Hop/Urban	Quiet Storm
Latin	Latin America	Tejano	R&B	Hip-Hop/Urban	Urban
Latin	Latin Jazz/World Fusion	Big Band Latino	R&B	R&B/Soul	Beach
Latin	Mexican	Mexican Folk	R&B	R&B/Soul	Blue-Eyed Soul
Latin	R&B/Soul	Latin Soul	R&B	R&B/Soul	Brown-Eyed Soul
Latin	Reggae/Caribbean	Changui	R&B	R&B/Soul	Chicago Soul
Latin	Spoken Comedy	Latin Comedy	R&B	R&B/Soul	Country-Soul
Latin	Tropical	Afro-Cuban	R&B	R&B/Soul	Deep Funk
Latin	Tropical	Bachata	R&B	R&B/Soul	Deep Funk Revival
Latin	Tropical	Beguine	R&B	R&B/Soul	Deep Soul
Latin	Tropical	Beguine Moderne	R&B	R&B/Soul	Disco
Latin	Tropical	Beguine Vide	R&B	R&B/Soul	Doo Wop
Latin	Tropical	Compas	R&B	R&B/Soul	Freestyle
Latin	Tropical	Cuban Pop	R&B	R&B/Soul	Funk
Latin	Tropical	Guaguancé	R&B	R&B/Soul	Go-Go

R&B	R&B/Soul	Memphis Soul	Rap	Hip-Hop/Urban	Party Rap
R&B	R&B/Soul	Motown	Rap	Hip-Hop/Urban	Political Rap
R&B	R&B/Soul	Neo-Soul	Rap	Hip-Hop/Urban	Pop-Rap
R&B	R&B/Soul	New Orleans R&B	Rap	Hip-Hop/Urban	Southern Rap
R&B	R&B/Soul	Northern Soul	Rap	Hip-Hop/Urban	Turntablism
R&B	R&B/Soul	Philly Soul	Rap	Hip-Hop/Urban	Underground Rap
R&B	R&B/Soul	Pop-Soul	Rap	Hip-Hop/Urban	West Coast Rap
R&B	R&B/Soul	Psychedelic Soul	Rap	Musical Comedy	Comedy Rap
R&B	R&B/Soul	R&B	Reggae	Reggae/Caribbean	Bluebeat
R&B	R&B/Soul	Retro-Soul	Reggae	Reggae/Caribbean	Caribbean Folk
R&B	R&B/Soul	Smooth Soul	Reggae	Reggae/Caribbean	Contemporary Reggae
R&B	R&B/Soul	Soul	Reggae	Reggae/Caribbean	Dancehall
R&B	R&B/Soul	Southern Soul	Reggae	Reggae/Caribbean	DJ
R&B	R&B/Soul	Uptown Soul	Reggae	Reggae/Caribbean	Dub
R&B	R&B/Soul	Urban	Reggae	Reggae/Caribbean	Dub Poetry
Rap	Hip-Hop/Urban	Alternative Rap	Reggae	Reggae/Caribbean	Lovers Rock
Rap	Hip-Hop/Urban	Bass Music	Reggae	Reggae/Caribbean	Nyahbinghi
Rap	Hip-Hop/Urban	British Rap	Reggae	Reggae/Caribbean	Political Reggae
Rap	Hip-Hop/Urban	Comedy Rap	Reggae	Reggae/Caribbean	Ragga
Rap	Hip-Hop/Urban	Dirty Rap	Reggae	Reggae/Caribbean	Reggae-Pop
Rap	Hip-Hop/Urban	Dirty South	Reggae	Reggae/Caribbean	Rocksteady
Rap	Hip-Hop/Urban	East Coast Rap	Reggae	Reggae/Caribbean	Roots Reggae
Rap	Hip-Hop/Urban	Foreign Language Rap	Reggae	Reggae/Caribbean	Ska
Rap	Hip-Hop/Urban	Gangsta Rap	Reggae	Reggae/Caribbean	Smooth Reggae
Rap	Hip-Hop/Urban	G-Funk	Rock	Alternative Country	Alternative Country-Rock
Rap	Hip-Hop/Urban	Golden Age	Rock	Alternative/Indie-Rock	Adult Alternative Pop/Rock
Rap	Hip-Hop/Urban	Hardcore Rap	Rock	Alternative/Indie-Rock	Alternative Country-Rock
Rap	Hip-Hop/Urban	Hip-Hop	Rock	Alternative/Indie-Rock	Alternative Dance
Rap	Hip-Hop/Urban	Jazz-Rap	Rock	Alternative/Indie-Rock	Alternative Pop/Rock
Rap	Hip-Hop/Urban	Latin Rap	Rock	Alternative/Indie-Rock	Alternative Singer/Songwriter
Rap	Hip-Hop/Urban	Left-Field Hip-Hop	Rock	Alternative/Indie-Rock	Ambient Pop
Rap	Hip-Hop/Urban	Midwest Rap	Rock	Alternative/Indie-Rock	American Underground
Rap	Hip-Hop/Urban	Old School Rap	Rock	Alternative/Indie-Rock	British Trad Rock

Rock	Alternative/Indie-Rock	Britpop	Rock	Alternative/Indie-Rock	Punk Revival
Rock	Alternative/Indie-Rock	C-86	Rock	Alternative/Indie-Rock	Punk-Pop
Rock	Alternative/Indie-Rock	Chamber Pop	Rock	Alternative/Indie-Rock	Queercore
Rock	Alternative/Indie-Rock	Cocktail	Rock	Alternative/Indie-Rock	Riot Grrrl
Rock	Alternative/Indie-Rock	College Rock	Rock	Alternative/Indie-Rock	Sadcore
Rock	Alternative/Indie-Rock	Cowpunk	Rock	Alternative/Indie-Rock	Screamo
Rock	Alternative/Indie-Rock	Dream Pop	Rock	Alternative/Indie-Rock	Shibuya-Kei
Rock	Alternative/Indie-Rock	Electro-Industrial	Rock	Alternative/Indie-Rock	Shoegaze
Rock	Alternative/Indie-Rock	Emo	Rock	Alternative/Indie-Rock	Ska-Punk
Rock	Alternative/Indie-Rock	Free Folk	Rock	Alternative/Indie-Rock	Skatepunk
Rock	Alternative/Indie-Rock	Funk Metal	Rock	Alternative/Indie-Rock	Slowcore
Rock	Alternative/Indie-Rock	Garage Punk	Rock	Alternative/Indie-Rock	Space Rock
Rock	Alternative/Indie-Rock	Goth Rock	Rock	Alternative/Indie-Rock	Third Wave Ska Revival
Rock	Alternative/Indie-Rock	Grunge	Rock	Alternative/Indie-Rock	Twee Pop
Rock	Alternative/Indie-Rock	Indie Electronic	Rock	Art-Rock/Experimental	Avant-Prog
Rock	Alternative/Indie-Rock	Indie Pop	Rock	Art-Rock/Experimental	Canterbury Scene
Rock	Alternative/Indie-Rock	Indie Rock	Rock	Art-Rock/Experimental	Experimental Rock
Rock	Alternative/Indie-Rock	Industrial	Rock	Art-Rock/Experimental	Kraut Rock
Rock	Alternative/Indie-Rock	Jangle Pop	Rock	Art-Rock/Experimental	Neo-Prog
Rock	Alternative/Indie-Rock	Lo-Fi	Rock	Art-Rock/Experimental	Noise-Rock
Rock	Alternative/Indie-Rock	Madchester	Rock	Art-Rock/Experimental	Prog-Rock/Art Rock
Rock	Alternative/Indie-Rock	Math Rock	Rock	Big Band/Swing	Retro Swing
Rock	Alternative/Indie-Rock	Neo-Glam	Rock	British Invasion	British Invasion
Rock	Alternative/Indie-Rock	Neo-Psychedelia	Rock	British Invasion	Early British Pop/Rock
Rock	Alternative/Indie-Rock	New Wave/Post-Punk Revival	Rock	British Invasion	Freakbeat
Rock	Alternative/Indie-Rock	New Zealand Rock	Rock	British Invasion	Merseybeat
Rock	Alternative/Indie-Rock	Noise Pop	Rock	British Invasion	Mod
Rock	Alternative/Indie-Rock	Paisley Underground	Rock	Contemporary Folk	Contemporary Singer/Songwriter
Rock	Alternative/Indie-Rock	Pop Underground	Rock	Contemporary Folk	Urban Folk
Rock	Alternative/Indie-Rock	Post-Grunge	Rock	Dance	Alternative Dance
Rock	Alternative/Indie-Rock	Post-Rock/Experimental	Rock	Dance	Club/Dance
Rock	Alternative/Indie-Rock	Psychobilly	Rock	Dance	Dance-Pop
Rock	Alternative/Indie-Rock	Punk Blues	Rock	Dance	Euro-Dance

Rock	Dance	Teen Pop	Rock	Hard Rock	Aussie Rock
Rock	Europop	AustroPop	Rock	Hard Rock	Boogie Rock
Rock	Europop	Dutch Pop	Rock	Hard Rock	British Metal
Rock	Europop	Eastern European Pop	Rock	Hard Rock	Death Metal/Black Metal
Rock	Europop	Euro-Pop	Rock	Hard Rock	Detroit Rock
Rock	Europop	Euro-Rock	Rock	Hard Rock	Doom Metal
Rock	Europop	German Schlager	Rock	Hard Rock	Glam Rock
Rock	Europop	Swedish Pop/Rock	Rock	Hard Rock	Glitter
Rock	Folk/Country Rock	British Folk-Rock	Rock	Hard Rock	Goth Metal
Rock	Folk/Country Rock	Country-Rock	Rock	Hard Rock	Grindcore
Rock	Folk/Country Rock	Folk-Pop	Rock	Hard Rock	Guitar Virtuoso
Rock	Folk/Country Rock	Folk-Rock	Rock	Hard Rock	Hair Metal
Rock	Folk/Country Rock	Singer/Songwriter	Rock	Hard Rock	Hard Rock
Rock	Foreign Language Rock	Aboriginal Rock	Rock	Hard Rock	Heavy Metal
Rock	Foreign Language Rock	Asian Pop	Rock	Hard Rock	Industrial Metal
Rock	Foreign Language Rock	AustroPop	Rock	Hard Rock	Neo-Classical Metal
Rock	Foreign Language Rock	Chinese Pop	Rock	Hard Rock	New Wave of British Heavy Metal
Rock	Foreign Language Rock	Chinese Pop-Rock	Rock	Hard Rock	Pop-Metal
Rock	Foreign Language Rock	Dutch Pop	Rock	Hard Rock	Power Metal
Rock	Foreign Language Rock	Eastern European Pop	Rock	Hard Rock	Progressive Metal
Rock	Foreign Language Rock	Foreign Language Rock	Rock	Hard Rock	Punk Metal
Rock	Foreign Language Rock	French Pop	Rock	Hard Rock	Rap-Metal
Rock	Foreign Language Rock	French Rock	Rock	Hard Rock	Rap-Rock
Rock	Foreign Language Rock	German Schlager	Rock	Hard Rock	Scandinavian Metal
Rock	Foreign Language Rock	Hong Kong Pop	Rock	Hard Rock	Sludge Metal
Rock	Foreign Language Rock	Italian Pop	Rock	Hard Rock	Southern Rock
Rock	Foreign Language Rock	Japanese Pop	Rock	Hard Rock	Speed Metal
Rock	Foreign Language Rock	Japanese Rock	Rock	Hard Rock	Stoner Metal
Rock	Foreign Language Rock	Okinawan Pop	Rock	Hard Rock	Symphonic Black Metal
Rock	Fusion	Jazz-Rock	Rock	Hard Rock	Thrash
Rock	Hard Rock	Album Rock	Rock	Latin America	Latin Rock
Rock	Hard Rock	Alternative Metal	Rock	Modern Electric Blues	Blues-Rock
Rock	Hard Rock	Arena Rock	Rock	Pop/Rock	AM Pop

Rock	Pop/Rock	Baroque Pop	Rock	Punk/New Wave	Punk
Rock	Pop/Rock	Brill Building Pop	Rock	Punk/New Wave	Ska Revival
Rock	Pop/Rock	Bubblegum	Rock	Punk/New Wave	Sophisti-Pop
Rock	Pop/Rock	Celebrity	Rock	Punk/New Wave	Straight-Edge
Rock	Pop/Rock	Comedy Rock	Rock	Punk/New Wave	Synth Pop
Rock	Pop/Rock	Girl Group	Rock	Rock & Roll/Roots	American Trad Rock
Rock	Pop/Rock	Pop	Rock	Rock & Roll/Roots	Bar Band
Rock	Pop/Rock	Pop/Rock	Rock	Rock & Roll/Roots	Blues-Rock
Rock	Pop/Rock	Sunshine Pop	Rock	Rock & Roll/Roots	Frat Rock
Rock	Pop/Rock	Teen Idol	Rock	Rock & Roll/Roots	Heartland Rock
Rock	Psychedelic/Garage	Acid Folk	Rock	Rock & Roll/Roots	Hot Rod
Rock	Psychedelic/Garage	Acid Rock	Rock	Rock & Roll/Roots	Hot Rod Revival
Rock	Psychedelic/Garage	British Psychedelia	Rock	Rock & Roll/Roots	Instrumental Rock
Rock	Psychedelic/Garage	Garage Rock	Rock	Rock & Roll/Roots	Jam Bands
Rock	Psychedelic/Garage	Obscuro	Rock	Rock & Roll/Roots	Latin Rock
Rock	Psychedelic/Garage	Psychedelic	Rock	Rock & Roll/Roots	Pub Rock
Rock	Psychedelic/Garage	Psychedelic Pop	Rock	Rock & Roll/Roots	Retro-Rock
Rock	Punk/New Wave	American Punk	Rock	Rock & Roll/Roots	Rock & Roll
Rock	Punk/New Wave	Anarchist Punk	Rock	Rock & Roll/Roots	Rockabilly
Rock	Punk/New Wave	British Punk	Rock	Rock & Roll/Roots	Rockabilly Revival
Rock	Punk/New Wave	Garage Rock Revival	Rock	Rock & Roll/Roots	Roots Rock
Rock	Punk/New Wave	Hardcore Punk	Rock	Rock & Roll/Roots	Surf
Rock	Punk/New Wave	L.A. Punk	Rock	Rock & Roll/Roots	Surf Revival
Rock	Punk/New Wave	Mod Revival	Rock	Rock & Roll/Roots	Swamp Pop
Rock	Punk/New Wave	New Romantic	Rock	Rock & Roll/Roots	Tex-Mex
Rock	Punk/New Wave	New Wave	Rock	Soft Rock	Adult Contemporary
Rock	Punk/New Wave	New York Punk	Rock	Soft Rock	Soft Rock
Rock	Punk/New Wave	No Wave	Rock	Television Music	Sports Anthems
Rock	Punk/New Wave	Oi!	Rock	Traditional Folk	Skiffle
Rock	Punk/New Wave	Post-Hardcore	Rock	Worldbeat	Aboriginal Rock
Rock	Punk/New Wave	Post-Punk	Rock	Worldbeat	International Pop
Rock	Punk/New Wave	Power Pop	Soundtrack	Cast Recordings	Cast Recordings
Rock	Punk/New Wave	Proto-Punk	Soundtrack	Cast Recordings	Musicals

Soundtrack	Cast Recordings	Show Tunes	World	Africa	African-Folk
Soundtrack	Film Music	Blaxploitation	World	Africa	Afro-Beat
Soundtrack	Film Music	Film Music	World	Celtic/British Isles	Pipe Bands
Soundtrack	Film Music	Movie Themes	World	Delta Blues	Finger-Picked Guitar
Soundtrack	Film Music	Original Score	World	Eastern Europe	Russian
Soundtrack	Film Music	Soundtracks	World	Eastern Europe	Ukrainian
Soundtrack	Film Music	Spy Music	World	Foreign Language Rock	Kayokyoku
Soundtrack	R&B/Soul	Blaxploitation	World	Latin America	Danzon
Soundtrack	Television Music	Cartoon Music	World	Latin America	Grupero
Soundtrack	Television Music	Television Music	World	Mediterranean	Greek Folk
Soundtrack	Television Music	TV Soundtracks	World	Mediterranean	Italian Folk
Soundtrack	Television Music	Video Game Music	World	Mediterranean	Laika
Soundtrack	Vocal/Standards	Show Tunes	World	Mediterranean	Nissiotiko
Spoken Word	Audiobook	Children's	World	Mediterranean	Rai
Spoken Word	Audiobook	Fiction	World	Mediterranean	Rembetika
Spoken Word	Audiobook	Non-Fiction	World	Mediterranean	Sharki
Spoken Word	Narrative	Speeches	World	Mediterranean	Turkish Folk
Spoken Word	Play	Radio-Play	World	Middle East	Al-Jil
Vocal	Bop	Vocalese	World	Middle East	Apala
Vocal	Cast Recordings	Musical Theater	World	Middle East	Armenian Folk
Vocal	Vocal/Standards	Acappella	World	Middle East	Belly Dancing
Vocal	Vocal/Standards	American Popular Song	World	Middle East	Hebrew
Vocal	Vocal/Standards	Barbershop Quartet	World	Middle East	Jewish Music
Vocal	Vocal/Standards	Cabaret	World	Middle East	Middle Eastern Pop
Vocal	Vocal/Standards	Harmony Vocal Group	World	Middle East	Shaabi
Vocal	Vocal/Standards	Music Hall	World	Middle East	Traditional Middle Eastern Folk
Vocal	Vocal/Standards	Nostalgia	World	Non-Western Classical Music	Ceremonial
Vocal	Vocal/Standards	Tin Pan Alley Pop	World	North America	American Jewish Pop
Vocal	Vocal/Standards	Torch Songs	World	North America	Contemporary Native America
Vocal	Vocal/Standards	Traditional Pop	World	North America	Traditional Native American
Vocal	Vocal/Standards	Vaudeville	World	Reggae/Caribbean	Cadence
Vocal	Vocal/Standards	Vocal Jazz	World	Reggae/Caribbean	Calypso
Vocal	Vocal/Standards	Vocal Pop	World	Reggae/Caribbean	Chouval Bwa

World	Reggae/Caribbean	Gwo Ka	World	Worldbeat	Ethnic
World	Reggae/Caribbean	Junkanoo	World	Worldbeat	Folklore
World	Reggae/Caribbean	Mento	World	Worldbeat	Indigenous
World	Reggae/Caribbean	Party Soca	World	Worldbeat	International Folk
World	Reggae/Caribbean	Rapso	World	Worldbeat	Jewish Folk
World	Reggae/Caribbean	Soca	World	Worldbeat	Neo-Traditional
World	Reggae/Caribbean	Spouge	World	Worldbeat	Pan-Global
World	Reggae/Caribbean	Steel Band	World	Worldbeat	Quadrille
World	Reggae/Caribbean	Zouk	World	Worldbeat	Social Commentary
World	Scandinavia	Finnish Folk	World	Worldbeat	Traditional
World	Scandinavia	Joik	World	Worldbeat	Worldbeat
World	Scandinavia	Norwegian Folk			
World	Scandinavia	Scandinavian Folk			
World	Scandinavia	Swedish Folk			
World	South Asia	Bhangra			
World	South Asia	Giddha			
World	South Asia	Indian Art Film Music			
World	South Asia	Indian Classical			
World	South Asia	Indian Folk			
World	South Asia	Indian Pop			
World	South Pacific	Slack-Key Guitar			
World	Southeast Asia	Gamelan			
World	Southeast Asia	Macapat Poetry			
World	Western Europe	Andalus Classical			
World	Western Europe	Contemporary Flamenco			
World	Western Europe	Fado			
World	Western Europe	Flamenco			
World	Western Europe	French Folk			
World	Western Europe	German Volksmusik			
World	Western Europe	Musette			
World	Western Europe	Spanish Folk			
World	Western Europe	Switzerland Folk			
World	Worldbeat	Chants			